PART A

IONOSPHERIC DATA

ISSUED
MAY 1964

U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS
CENTRAL RADIO PROPAGATION LABORATORY
BOULDER, COLORADO

CRPL-F 237
PART A

NATIONAL BUREAU OF STANDARDS
CENTRAL RADIO PROPAGATION LABORATORY
BOULDER, COLORADO

Issued
21 May 1964

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CONTENTS

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The CRPL-F series bulletins are issued as part of the responsibility of the Central Radio Propagation Laboratory for the exchange and distribution of ionospheric and related geophysical data. Part A, "Ionospheric Data," and Part B, "Solar-Geophysical Data," of the CRPL-F series present a variety of data in convenient form for use in research in radio propagation and the ionosphere and in other geophysical problems.

The current form of the tables of ionospheric data provides the monthly medians and, in addition, the number of values entering into the median determination (count) for all ionospheric characteristics listed. Also, when available, the upper and lower quartile values indicated by UQ and LQ in the tables, are listed for foF2, h'F2, h'F, and M(3000)F2. Quartile values are not listed for the other characteristics because of space limitations. The tables are prepared by IBM machine methods.

Beginning with CRPL-F221, Part A, "Ionospheric Data," the hourly median values for the graphs of critical frequencies and M(3000)F2 were plotted by machine methods instead of manually, as in earlier issues. Graphs of critical frequencies and M(3000)F2 will continue to appear. Graphs of percentage of time of occurrence for fEs and virtual heights of the regular ionospheric layers are no longer included. Data on percentage of time of occurrence of fEs above 3, 5, and 7 Mc are available from the CRPL and the IGY World Data Center for Airglow and Ionosphere.

For many years, the tables of ionospheric data appearing in the F series, Part A, listed values of medians recomputed at CRPL. While this practice enforced a certain uniformity, it was subject to some valid criticism for tampering with the original data. The tables and graphs now show the ionospheric data as they are provided by the originating laboratory. Responsibility for the accuracy and reliability of the data rests entirely with the originator.

Medians of data for the U.S. stations are computed in accordance with the recommendations of the World-Wide Soundings Committee. Data will appear in the F series, Part A, only when the complete daily-hourly tabulations have been received by the CRPL or the IGY World Data Center A for Airglow and Ionosphere.

Information on symbols, terminology, and conventions may be found in the "URSI Handbook of Ionogram Interpretation and Reduction, of the World-Wide Soundings Committee," edited by W. R. Piggott and K. Rawer (Elsevir, 1961), which supersedes previous documents. A list of symbols is available from CRPL on request.

The following table contains the latest available information on smoothed observed Zurich sunspot numbers, beginning with the minimum of April 1954. Final numbers are listed through June 1963, the succeeding values being based on provisional data.

Smoothed Observed Zurich Sunspot Number

Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
1954				3	4	4	5	7	8	8	10	12
1955	14	16	19	23	29	35	40	46	55	64	73	81
1956	89	98	109	119	127	137	146	150	151	156	160	164
1957	170	172	174	181	186	188	191	194	197	200	201	200
1958	199	201	201	197	191	187	185	185	184	182	181	180
1959	179	177	174	169	165	161	156	151	146	141	137	132
1960	129	125	122	120	117	114	109	102	98	93	88	84
1961	80	75	69	64	60	56	53	52	52	51	50	49
1962	45	42	40	39	39	38	37	35	33	31	30	30
1963	29	30	30	29	29	28	28	27	27	26		
1964												

Units of Ionospheric Data Tables

foF2, foEs - - - Tenths of a megacycle
foF1, foE - - - Hundredths of a megacycle
h'F2, h'F, h'E - Kilometers
M(3000)F2 - - - Hundredths

NOTE: Occasionally, when the median falls between two of the observed values, the median is carried an extra decimal place beyond these units. Those cases are easily identifiable by the extra digit appearing to the right of the number, in a column usually left blank.

MED - Median
CNT - Count
UQ - Upper Quartile
LQ - Lower Quartile

WORLD-WIDE SOURCES OF IONOSPHERIC DATA

THE IONOSPHERIC DATA GIVEN IN TABLES 1 TO 100 AND FIGURES 1 TO 100 WERE ASSEMBLED BY THE CENTRAL RADIO PROPAGATION LABORATORY FOR ANALYSIS, CORRELATION AND DISTRIBUTION. THE FOLLOWING ARE THE SOURCES OF THE DATA IN THIS ISSUE.

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- WILKES STATION, ANTARCTICA

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- GRAZ, AUSTRIA

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CAPETOWN, UNION OF SOUTH AFRICA
JOHANNESBURG, UNION OF SOUTH AFRICA

UNITED STATES ARMY SIGNAL CORPS., UNITED STATES OF AMERICA.
ADAK, ALASKA

NATIONAL BUREAU OF STANDARDS, UNITED STATES OF AMERICA.
(CENTRAL RADIO PROPAGATION LABORATORY).
ANCHORAGE, ALASKA
BARROW, ALASKA
TALARA, PERU (INSTITUTO GEOFISICO DEL PERU)
WASHINGTON, D.C.

TABLES OF IONOSPHERIC DATA

August 1963 - April 1959

TABLE 1

BARROW, ALASKA (71.3N, 156.8W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 37	U 36	36	U 35	U 37	U 41	41	41	42	43	43	43	43	44	44	44	44	44	43	42	40	38	36	U 35
	CNT	11	12	11	9	17	13	15	13	16	19	21	22	23	23	24	28	29	28	27	26	29	26	17	15
	UQ	40	40	36	40	40	43	43	43	44	44	44	45	45	45	45	46	46	46	44	45	42	42	40	39
	LQ	36	32	35	30	34	36	37	39	40	43	42	42	41	43	42	43	43	42	41	38	34	34	34	31
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	U 305	U 308	302	U 302	305	312	298	280	282	290	278	278	285	282	288	288	290	300	310	320	320	310	310	U 322
	CNT	9	12	10	8	13	8	12	10	16	17	20	22	21	22	24	28	28	28	24	23	28	23	14	10
	UQ	325	315	320	312	315	315	315	300	298	308	288	300	308	295	312	302	305	312	318	330	330	335	325	330
	LQ	300	292	280	290	300	298	288	260	258	275	250	260	242	265	270	270	280	290	298	310	300	300	300	305
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	45	56	47	47	42	31	35	40	36	36	30	29	27	22	18	18	26	27	25	28	28	30	35	37
	CNT	27	29	26	26	25	26	25	26	24	22	22	19	14	17	15	15	19	26	27	29	30	31	31	25

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. AUGUST, 1963

TABLE 2

NARSSARSSUAQ, GREENLAND (61.2N, 45.4W) TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 34	U 34	U 32	32	35	37	42	42	43	45	45	46	46	47	47	46	46	46	47	46	42	40	U 37	U 33
	CNT	16	14	5	6	11	15	14	19	24	26	26	26	29	28	31	27	30	28	26	28	25	24	21	16
	UQ	38	35	37	33	36	40	43	44	46	45	47	48	48	49	49	49	48	49	49	50	46	44	42	40
	LQ	30	30	28	32	34	36	40	39	40	42	43	44	44	44	44	45	44	44	45	43	38	34	32	32
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	37	37	37	36	35	28	30	31	29	30	25	31	29	30	26	32	32	32	33	32	33	35	36	39
	CNT	29	29	21	18	17	20	17	20	21	24	19	20	21	24	27	28	30	29	30	30	29	25	25	25

SWEEP 1.0 MC TO 25.0 MC IN 16.2 SECONDS. JULY, 1963

TABLE 3

ANCHORAGE, ALASKA (61.2N, 149.9W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 35	U 30	U 30	U 33	U 36	39	40	42	43	44	46	46	45	46	45	44	45	44	44	43	43	42	U 43	U 38
	CNT	21	19	24	25	27	28	27	28	29	30	30	30	29	30	28	27	26	30	30	30	24	27	23	22
	UQ	39	34	32	36	39	42	44	46	46	48	49	48	50	48	47	48	47	46	46	44	45	45	48	43
	LQ	30	27	26	28	34	36	38	40	40	41	41	41	40	42	42	43	44	43	43	42	40	33	30	30
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	U 315	U 300	U 300	U 300	U 292	280	280	280	275	280	280	285	272	275	275	288	295	305	310	322	320	325	322	U 318
	CNT	15	16	17	24	22	27	25	25	25	29	27	30	28	28	25	24	24	30	29	30	22	24	18	14
	UQ	325	310	312	310	310	300	295	295	290	295	300	300	298	292	295	302	310	315	325	330	330	330	330	325
	LQ	300	295	295	292	280	265	260	262	255	258	255	250		252	245	262	275	285	298	305	315	320	310	295
foF1	MED					U 270	310	340	360	380	380	390	400	405	410	400	400	390	380	350	320				
	CNT					9	23	28	29	28	31	30	30	30	31	28	27	26	28	16	5	1			
foE	MED					U 170	205	230	U 250	U 265	U 280	U 290	U 295	U 300		U 290			U 250	U 230	U 205				
	CNT				1	9	8	13	15	11	8	13	7	5	4	7	1	3	10	10	6	4	1		
h'E	MED					127	111	107	103	101	101	101	101	101	101	101	101	101	105	107	E 122	E 135			
	CNT			1	2	11	16	23	27	29	29	30	30	29	29	27	25	22	25	23	18	13			
foEs	MED	36	31	26	32	26	24	24	27	30	32	33	34	34	33	30	28	24	25	27	25	22	27	35	28
	CNT	15	19	17	18	28	29	29	28	30	30	30	30	30	30	28	27	24	27	29	26	24	17	17	15

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. JULY, 1963

TABLE 4

ADAK, ALASKA (51.9N, 176.6W) TIME 180.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	35	36	33	30	32	39	45	46	46	48	48	50	48	48	46	46	45	45	47	49	56	58	54	46
	CNT	22	22	19	21	30	30	29	28	26	27	26	28	28	29	29	29	30	30	30	29	31	27	28	26
	UQ	40	38	38	36	38	43	49	50	52	53	51	54	54	50	49	48	48	47	49	52	58	63	58	51
	LQ	34	30	29	26	30	36	40	40	42	40	43	46	46	44	44	42	44	43	42	47	50	54	50	40
h'F2	MED					360	388	365	374	397	386	435	E 378	396	430	410	448	383	368	330	290				
	CNT					11	26	27	26	26	24	24	24	26	27	29	26	27	20	22	22	1			
	UQ					400	460	420	450	510		595	480	590	513	520	550	433	400	350	300				
	LQ					290	355	316	340	335	352	367	350	325	364	382	370	350	334	305	280				
h'F	MED	U 256	U 270	U 277	U 290	255	236	230	220	E 220	E 210	200	198	196	200	200	198	210	E 224	235	244	255	246	U 235	U 240
	CNT	28	30	29	29	27	30	24	17	19	20	18	18	23	25	27	28	29	26	23	18	29	28	29	29
	UQ	268	285	296	304	270	250	242	228	250	229	210	205	205	212	205	210	216	240	260	255	268	261	245	246
	LQ	240	260	266	262	243	229	222	210	207	195	200	190	186	182	187	190	200	215	224	234	249	232	224	225
M(3000)F2	MED	318	300	295	295	290	290	290	295	280	285	275	295	290	290	292	278	298	305	310	312	318	315	320	325
	CNT	16	17	16	17	27	29	30	26	25	23	26	24	25	26	28	28	28	29	29	28	30	25	20	21
	UQ	330	305	300	310	320	300	310	305	305	310	305	315	320	310	300	305	312	322	322	320	325	325	328	332
	LQ	300	290	290	290	275	270	280	275	262		235	268	258	260	260	245	285	290	295	305	305	310	310	315
foF1	MED						310	350	380	390	400	410	420	420	420	420	410	390	380	350					
	CNT					3	23	23	22	19	21	21	20	25	27	28	29	27	19	12	1				
foE	MED						U 200	232	U 260	282	U 300	U 305	U 315				U 300	280	U 250	U 220					
	CNT					4	15	12	20	16	15	14	9	4		3	9	18	21	17					
h'E	MED						E 120	109	105	100	100	100	100	100	100	100	102	105	108	110	U 120				
	CNT					1	28	29	29	30	29	30	29	28	29	30	30	29	28	29.	16				
foEs	MED	30	33	30	24	17	23	30	34	39	42	43	42	40	36	35	32	32	32	35	32	36	36	32	30
	CNT	17	10	9	15	23	31	31	30	30	30	31	30	30	30	31	31	31	30	31	31	30	26	20	15

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. JULY, 1963 —

TABLE 5

WASHINGTON, D.C. (38.7N, 77.1W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	34	32	28	26	U 23	29	37	44	48	51	52	50	50	50	51	51	51	53	56	57	59	53	45	40
	CNT	26	28	28	29	29	28	29	28	27	29	28	29	30	31	31	30	31	31	31	30	29	29	28	27
	UQ	39	35	32	28	25	30	40	47	52	56	57	55	53	52	55	54	55	60	61	62	66	60	49	44
	LQ	32	30	27	23	20	25	34	40	45	44	48	48	46	46	46	49	48	50	50	53	54	48	40	36
h'F2	MED							390	330	325	330	340	415	390	412	380	360	350	310	285	250				
	CNT							19	25	24	29	28	28	30	30	30	29	31	28	30	21				
	UQ								395	382	468	375	505	490	510	480	400	375	335	300	260				
	LQ							300	302	302	295	308	345	360	350	350	332	310	300	270	240				
h'F	MED	250	265	E 280	E 270	E 280	E 250	E 222	215	205	200	190	190	185	200	202	205	210	210	220	235	E 235	E 240	245	250
	CNT	28	29	28	30	28	28	28	25	24	26	23	27	27	26	28	27	29	23	17	18	29	31	29	28
	UQ	268	290	295	300	320	265	230	230	220	210	200	205	215	215	220	210	215	240	235	240	242	250	258	262
	LQ	242	250	250	260	265	238	212	205	200	185	180	180	180	170	190	200	198	205	210	230	228	230	230	235
M(3000)F2	MED	310	310	310	310	U 310	330	310	315	320	320	318	290	300	285	295	300	300	310	318	320	320	320	310	310
	CNT	25	25	25	26	23	27	28	27	25	29	28	28	29	30	30	28	31	28	30	26	27	29	25	24
	UQ	322	320	312	315	320	340	342	335	330	330	335	315	310	300	305	315	320	320	320	325	325	320	325	320
	LQ	300	302	300	300	300	315	268	285	298	268	300	265	260	240	265	288	290	300	310	310	315	310	310	308
foF1	MED							320	365	400	420	430	430	430	430	430	420	410	390	340					
	CNT							13	20	25	29	27	28	29	29	31	28	29	24	5					
foE	MED							200	U 248	U 280	U 300			U 330	330	330	315	295	265	U 220					
	CNT							6	14	11	5	3	4	7	7	13	17	22	21	19	1				
h'E	MED							109	105	101	101	101	101	101	101	101	101	102	104	109					
	CNT							25	31	31	31	27	29	29	27	26	27	28	30	29	3				
foEs	MED	42	38	37	36	37	30	26	33	39	40	42	40	38	42	37	36	36	39	39	48	48	36	40	45
	CNT	20	20	20	24	21	21	31	31	31	31	31	31	31	31	31	31	31	31	31	31	26	27	24	22

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. JULY, 1963

TABLE 6

TALARA, PERU (4.6S, 81.3W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	66	60	59	55	40	34	32	51	64	71	76	78	80	83	85	84	89	87	84	80	76	74	76	82
	CNT	22	23	27	27	24	24	22	31	31	30	30	30	31	31	31	31	31	31	30	30	28	27	24	24
	UQ	73	64	64	60	50	43	39	55	68	76	81	82	84	87	87	91	94	90	90	84	80	81	84	86
	LQ	59	55	50	45	34	30	24	46	59	69	73	74	76	76	78	80	81	83	81	78	70	69	67	74
h'F2	MED											365	395	392	410	400	355	330							
	CNT										3	15	22	26	25	21	20	7	1						
	UQ											370	410	440	442	400	368	385							
	LQ											350	370	380	378	380	340	300							
h'F	MED	220	220	230	230	232	E 250	280	240	225	210	200	195	200	200	190	200	200	210	250	280	300	290	270	230
	CNT	30	30	30	30	30	30	29	30	29	30	28	26	27	25	22	23	22	18	29	26	27	27	27	30
	UQ	230	240	235	240	250	270	300	245	230	220	210	210	200	202	200	205	210	215	260	300	320	310	280	240
	LQ	210	215	215	220	215	235	252	235	212	200	185	190	190	192	180	190	190	200	240	265	275	270	255	220
M(3000)F2	MED	330	330	325	330	330	310	292	320	290	260	245	235	225	220	225	235	250	258	260	265	270	280	302	330
	CNT	22	23	27	27	23	24	22	31	31	30	30	30	31	31	31	31	31	30	29	27	27	25	22	22
	UQ	340	340	335	350	340	322	310	330	300	270	260	240	230	225	235	250	265	270	280	280	275	290	310	340
	LQ	320	315	320	320	300	292	280	315	285	250	235	230	220	215	215	225	240	250	242	255	260	280	290	320
foF1	MED											450	460	450	450	450	430								
	CNT										2	14	23	29	25	22	14	1							
foE	MED								195	U 270	305	U 330	340	350	345	335	U 310	290	242						
	CNT								25	25	27	26	23	17	14	16	10	12	10	4					
h'E	MED								122	115	111	109	109	109	109	109	109	109	113						
	CNT								30	31	30	31	31	31	31	29	26	20	17	2					
foEs	MED	23	21	17	20	18	16	18	21	28	33	36	37	40	39	38	37	42	43	36	32	26	40	32	29
	CNT	9	5	5	5	8	6	9	31	31	30	30	30	31	31	31	31	31	31	29	21	22	19	16	13

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. MAY, 1963

TABLE 7

TROMSO, NORWAY (69.7N, 19.0E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	30	30	30	28	32	35	39	41	44	45	48	48	49	49	47	48	46	46	44	44	40	37	32	
	CNT	5	6	6	16	18	21	19	24	24	25	24	26	28	29	29	28	27	25	20	14	11	11	7	4
	UQ	40	40	32	33	35	38	40	43	46	48	50	52	52	51	50	51	51	49	48	46	43	38	36	
	LQ	28	25	25	24	27	31	37	40	42	43	46	47	46	44	46	45	43	41	40	37	35	31	32	
h'F2	MED									370	395	375	350	345	350	345									
	CNT			1				2	4	1	14	18	19	21	19	7	4	1	1	1	2	1			
	UQ									395	430	395	395	390	400	395									
	LQ									350	365	335	315	310	300	310									
h'F	MED	290	290	295	280	255	245	245	240	225	220	215	205	205	210	220	210	240	235	245	245	255	275	290	
	CNT	5	6	5	8	15	18	18	23	23	24	24	22	22	26	22	24	21	20	15	13	10	6	5	3
	UQ	310	295	300	295	295	260	250	245	245	225	225	210	215	225	230	220	245	245	245	260	270	295	305	
	LQ	265	280	275	265	250	240	240	230	210	200	210	200	200	210	210	210	220	220	235	245	250	260	280	
M(3000)F2	MED				290	300	310			290	290	300	310	305	310	310	310	310	310	310	310				
	CNT	2	2	3	9	9	6	4	3	13	18	20	22	26	24	17	14	10	11	11	6	4	3	2	4
	UQ				290	305	315			310	310	310	310	310	310	310	310	315	325	315	310				
	LQ				270	295	290			290	290	290	290	290	295	310	310	310	310	310	305				
foF1	MED							2	4	370	380	390	390	390	390	385									
	CNT									10	14	18	19	20	19	7	4	1							
foE	MED					175	190	210	225	245	260	270	275	280	275	270	255	240	210	195	175				
	CNT		1	2	3	6	13	14	18	21	19	22	20	18	22	19	21	16	18	12	8	2			
h'E	MED					120	110	110	110	105	105	105	105	105	105	105	105	110	110	120	120				
	CNT		2	2	1	5	11	15	18	22	22	23	21	19	23	18	21	18	15	16	8	4			
foEs	MED	32	42	32	30	19	G	G	G	G	G	G	G	G	G	G	G	25	20	30	32	32	31	32	32
	CNT	22	18	16	17	16	16	20	21	22	23	23	22	21	26	25	25	27	28	29	27	22	21	20	23

SWEEP 0.7 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC. APRIL, 1963

TABLE 8

KIRUNA, SWEDEN (67.8N, 20.4E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	29	28	24	25	28	33	37	40	43	45	47	48	49	49	48	46	46	45	44	41	34	30	29	24
	CNT	4	5	6	16	21	23	23	23	25	26	28	26	26	26	27	28	28	28	25	20	9	6	6	3
	UQ	30	31	28	28	31	35	39	43	45	47	50	53	52	53	51	49	49	48	46	43	40	35	30	26
	LQ	25	22	20	21	25	30	35	38	39	43	44	47	47	44	44	45	44	40	39	36	32	26	25	22
h'F2	MED						395	430	425	360	345	355	330	320	310	305	310	300	270	290					
	CNT						1	4	6	18	25	25	26	25	24	21	17	14	6	2					
	UQ							485	455	410	390	400	365	350	360	340	350	330	305						
	LQ							365	365	315	320	300	310	300	290	290	285	275	260						
h'F	MED	300	U 295	290	295	255	240	235	220	215	210	210	205	205	210	210	210	230	235	245	250	255	260	275	290
	CNT	19	16	16	19	20	23	24	23	26	26	26	26	26	26	27	27	28	27	25	25	23	21	20	15
	UQ	310	315	315	305	285	260	245	235	230	220	220	210	210	220	225	225	235	240	250	270	275	310	310	320
	LQ	295	275	275	270	245	225	220	205	210	200	200	200	195	205	200	205	215	225	235	245	245	255	260	285
M(3000)F2	MED	300	290	300	300	300	320	300	300	300	300	295	300	320	315	300	310	320	320	320	320	320	300	300	300
	CNT	4	4	6	15	21	23	23	22	25	26	28	25	26	26	27	27	27	28	24	20	8	5	5	3
	UQ	310	300	300	300	320	320	320	320	320	310	320	320	320	320	320	320	320	330	340	340	340	320	320	320
	LQ	290	280	280	290	300	300	280	280	285	270	275	290	300	290	300	300	300	320	310	320	310	290	285	300
foF1	MED						300	330	350	360	380	380	390	390	390	380	365	360	330	300					
	CNT						1	5	7	19	25	26	26	25	25	22	18	15	5	2					
foE	MED				130	155	160	200	230	240	260	270	280	280	280	270	260	240	200	180	160	150			
	CNT				3	6	18	21	22	25	25	26	24	24	25	25	26	25	21	18	7	3			
h'E	MED					110	110	110	110	110	105	105	105	105	105	105	110	110	110	110					
	CNT					1	8	14	17	21	23	22	24	24	25	26	25	23	16	6					
foEs	MED	40	30	30	20	21																35	31	44	40
	CNT	17	13	15	13	12	21	23	21	25	26	25	23	25	24	25	27	28	27	28	20	13	15	15	21

SWEEP 0.8 MC TO 15.0 MC IN 30 SECONDS. APRIL, 1963

TABLE 9

SODANKYLA, FINLAND (67.4N, 26.6E) TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	32	32	30	27	32	33	37	40	43	47	48	49	51	51	51	50	49	47	47	46	42	40	40	39
	CNT	4	6	6	4	6	18	24	26	23	26	29	29	28	33	28	29	29	28	29	24	20	14	11	8
	UQ	33	34	31	29	33	36	39	42	45	48	50	52	54	54	54	53	52	53	51	49	48	46	42	41
	LQ	32	30	29	26	30	32	35	38	40	43	45	46	48	47	47	45	45	45	43	42	38	36	35	34
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	290	298	280	290	270	250	230	215	210	210	200	202	200	195	200	200	208	215	220	235	240	250	260	282
	CNT	26	26	27	27	24	27	27	28	28	29	30	30	31	3	24	33	30	29	29	28	26	25	25	26
	UQ	310	320	340	370	315	270	240	228	215	215	210	210	200	200	210	215	216	227	240	255	255	260	285	326
	LQ	270	275	270	265	250	230	210	205	200	200	190	195	185	190	190	200	200	210	216	230	235	230	249	240
M(3000)F2	MED	270	275	270	270	290	300	305	310	300	300	300	300	300	310	310	310	310	310	315	315	310	300	298	295
	CNT	4	6	6	4	6	18	24	26	22	26	29	29	27	35	28	24	24	28	28	23	18	14	10	8
	UQ	275	280	280	280	295	310	310	310	310	310	310	310	310	31	320	315	315	320	320	320	315	310	300	280
	LQ	265	270	265	263	290	295	298	300	280	290	285	292	294	300	300	300	300	303	307	310	300	300	290	270
foF1	MED							340	360	360	380	395	400	400	405	400	390	370	360						
	CNT							1	10	27	21	24	25	26	21	18	14	8	2						
foE	MED			110		140	140	170	190	210	240	250	270	280	280	280	270	250	240	210	185	150	135	120	
	CNT			1		1	9	15	20	21	23	25	24	25	22	23	21	27	23	21	19	15	8	1	
h'E	MED				130	120	115	110	110	110	105	105	105	105	110	105	110	105	108	110	110	130	125	120	
	CNT				1	9	15	22	21	24	19	24	26	26	21	24	22	27	22	21	18	15	7	1	
foEs	MED	28	24	25	25	26	30	34	37	38	44	42	41	43	42	41	40	40	38	33	30	27	28	24	25
	CNT	30	27	28	28	30	24	23	21	18	20	20	19	17	17	19	20	2	22	21	17	17	21	28	29

SWEEP 1.4 MC TO 22.0 MC IN 8 MINUTES. AUTOMATIC.

APRIL, 1963

TABLE 10

NURMIJARVI, FINLAND (60.5N, 24.6E) TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	30	25	25	25	22	28	37	38	43	47	51	51	54	53	54	52	52	51	49	46	47	46	34	33
	CNT	3	3	2	2	2	13	19	22	25	23	26	24	27	28	28	29	29	28	21	17	10	4	2	2
	UQ	30	26				31	38	41	47	52	54	56	57	58	58	57	56	56	56	52	52	49		
	LQ	26	24				26	32	34	41	44	46	46	49	50	48	48	47	47	45	43	42	41		
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	300	300	300	300	298	280	240	220	210	200	200	200	200	200	200	208	205	220	230	245	240	245	270	280
	CNT	27	26	24	22	24	28	24	24	30	30	29	28	29	30	29	30	30	30	30	30	30	30	29	29
	UQ	320	320	310	310	307	280	260	250	230	210	210	208	210	210	205	210	220	230	240	250	250	270	280	300
	LQ	290	300	290	290	284	240	22	21	200	200	200	200	200	200	200	200	200	210	220	230	230	230	250	270
M(3000)F2	MED	310	300	280	35	22	32	32	335	335	312	310	325	315	330	320	320	330	325	330	320	315	320	320	310
	CNT	3	3	1	.	2	13	17	22	24	23	26	24	24	27	28	28	28	28	21	17	10	4	2	2
	UQ	317	305				337	340	340	330	320	320	328	345	335	332	340	340	340	340	340	330	327		
	LQ	285	282				300	31	315	270	290	295	310	315	310	307	320	315	318	317	310	310	315		
foF1	MED						35	340	350	360	380	400	410	410	410	410	400	380	370						
	CNT						1	1	1	24	24	26	26	28	28	23	22	10	6						
foE	MED							160	200	225	240	260	265	277	270	270	260	245	220	200	165				
	CNT							6	12	20	19	12	18	12	14	14	14	17	22	19	2				
h'E	MED																								
	CNT																								
foEs	MED			28	25	25	23	18	21	25	27	28	30	30	30	30	27	24	23	22	22	32		30	23
	CNT			2	1	1	2	6	12	21	19	15	19	12	14	15	15	18	22	20	9	3		1	1

SWEEP 1.0 MC TO 25.0 MC IN 1 MINUTE.

APRIL, 1963

TABLE 11

UPPSALA, SWEDEN (59.8N, 17.6E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	24	23	21	20	23	31	36	42	44	49	51	53	53	53	53	51	51	52	49	49	47	41	32	27
	CNT	28	28	28	29	30	30	30	30	30	30	29	30	24	33	30	29	29	28	29	29	29	29	29	28
	UQ	29	27	24	22	25	34	40	44	50	52	54	56	58	57	56	54	57	55	53	50	50	46	37	31
	LQ	21	20	18	18	21	28	34	38	43	45	48	50	46	48	48	48	47	46	46	44	43	36	27	22
h'F2	MED						300	275	390	340	325	325	300	310	305	300	300	295	280	265					
	CNT						1	7	17	30	30	29	30	30	29	30	29	27	19	7					
	UQ									430	390	370	360	360	350	340	335	315	300	275					
	LQ							260	300	300	300	295	295	295	290	285	280	275	260	260					
h'F	MED	270	270	270	275	260	245	220	210	205	205	200	200	200	200	200	200	215	235	245	245	245	245	260	265
	CNT	28	29	29	29	30	30	29	30	29	30	27	29	29	29	29	29	28	29	29	29	29	29	29	28
	UQ	29	29	30	295	290	25	230	225	215	210	210	205	205	205	205	210	215	230	245	250	25	245	260	265
	LQ	255	255	255	260	255	240	210	200	200	200	190	195	195	195	195	200	200	210	23	240	24	235	24	260
M(3000)F2	MED	28	280	280	28	290	30	320	320	320	320	320	330	330	330	330	330	330	330	330	330	315	315	300	290
	CNT	28	28	28	29	30	3	30	30	30	30	28	30	29	28	30	29	29	29	29	29	29	29	29	28
	UQ	290	280	290	29	30	32	330	33	330	330	330	330	330	330	330	330	330	330	330	330	320	310	310	300
	LQ	280	270	270	27	28	30	300	290	280	300	295	310	310	310	310	310	310	310	310	310	300	295	295	284
foF1	MED						34	335	360	380	400	410	410	410	410	410	400	380	360	34					
	CNT						1	8	18	30	30	30	30	29	28	30	29	28	12	1					
foE	MED				70		130	150	200	230	250	265	275	300	300	300	280	260	250	230	185	140	11		80	70
	CNT				1		11	29	29	30	29	28	26	23	27	29	28	26	29	19	24	14	2		1	1
h'E	MED						120	110	105	105	105	100	100	100	100	100	100	100	105	105	110	140	140			
	CNT						10	19	29	30	30	30	29	30	30	30	30	29	29	28	26	6	2			
foEs	MED	22	22	24	24	29	28	29	30	31	29	35	33	32	35	26	32	31	31	26	24	21	22	8	9
	CNT	30	30	30	30	30	30	30	30	30	30	29	30	30	30	30	29	29	29	29	29	29	27	25	29

SWEEP 0.33 MC TO 20.0 MC IN 3 MINUTES.

APRIL, 1963

TABLE 12

GRAZ, AUSTRIA (47.1N, 15.5E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	7	18	19	20	21	22	23
foF2	MED	4	3H	3H	34	33	34	42	47	52	55	57	60	59	60	60	61	60	59	58	60	56	52	45	41
	CNT	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	UQ	4	4	4	4	3	3	4	5	6	5H	6	6	6	6	6	6	6	6	6	6	5	5	4	4
	LQ	3H	3	3H	3	3	3	4	4	4	5	5	5	5	5	5	5	5	5	5	5	4	4	4	3
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
	CNT	28	27	27	27	27	27	28	30	30	33	34	32	33	32	33	32	31	30	29	28	27	28	27	27
		29	29	29	29	29	29	29	28	28	21	11	12	14	10	9	15	27	29	30	30	30	30	29	30

SWEEP 2.0 MC TO 13.0 MC IN 50 SECONDS.

APRIL, 1963

TABLE 13

GODHAVN, GREENLAND (69.3N, 53.5W) TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	31	29	29	26	28	28		[illegible]		42	46	47	[illegible]	[illegible]	46	[illegible]	45	46			41			
	CNT	16	22	15	12	9	[illegible]	3	[illegible]	4	11	[illegible]	[illegible]	[illegible]	[illegible]	18	17	18	14	4	3	8	[illegible]		
	UQ	34	35	32	[illegible]	32	[illegible]		36		45	48	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	47			44			
	LQ	28	27	27	26	26	27		[illegible]		[illegible]	43	46	46	48	43	46	[illegible]	[illegible]			38			
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED				23	[illegible]	[illegible]	38	24			[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]						
	CNT	[illegible]	[illegible]	[illegible]	1	9	14	[illegible]	8	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	8	[illegible]						

SWEEP [illegible] TO [illegible] MC IN [illegible] SECONDS. MARCH, 1963

TABLE 14

SODANKYLA, FINLAND (67.4N, 26.6E) TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	23	27	[illegible]	[illegible]	[illegible]	41	44	[illegible]	[illegible]	[illegible]	[illegible]	51	[illegible]	50	48	46	47	43	42	26	29
	CNT	[illegible]	[illegible]	3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29	[illegible]	27	29	25	[illegible]	28	[illegible]	25	[illegible]	14	8	4	3	5
	UQ	32		32				34	34	42	46	50	[illegible]	[illegible]	[illegible]	53	[illegible]	52	50	48	48	47	43	31	31
	LQ	[illegible]		[illegible]				[illegible]	33	38	[illegible]	[illegible]	48	[illegible]	48	[illegible]	48	48	44	[illegible]	45	37	36	25	27
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	[illegible]	305	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	220	[illegible]	230	230	230	240	250	270
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29	28	29	28	27	28
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	243	222	262	[illegible]	290	325
	LQ	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	227	227	228	235	240
M(3000)F2	MED	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	328	[illegible]	[illegible]	320	[illegible]	310	308	310	280
	CNT	[illegible]		[illegible]				[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29	[illegible]	[illegible]	[illegible]	14	7	4	3	5
	UQ	[illegible]		[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	330	322	320	320	320	310	313	287
	LQ	[illegible]		[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	317	320	313	305	300	300	308	265
foF1	MED										[illegible]	[illegible]	[illegible]	[illegible]											
	CNT												[illegible]	[illegible]											
foE	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	245	[illegible]	220	[illegible]	170	125	110			
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	21	5	1			
h'E	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	115	120	125	130	140			
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	1			
foEs	MED	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	34	31	[illegible]	[illegible]	[illegible]	18	22	26
	CNT	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]				[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25	21	24

[illegible] TO 22.0 MC IN 8 MINUTES, AUTOMATIC. MARCH, 1963

TABLE 15

LULEA, SWEDEN (65.6N, 22.1E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	46	46	44	[illegible]	[illegible]	[illegible]	[illegible]	21
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]		[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED										[illegible]	[illegible]	[illegible]	[illegible]											
	CNT										[illegible]	[illegible]	[illegible]	[illegible]											
	UQ																								
	LQ																								
h'F	MED	275	275	[illegible]	[illegible]	260	230	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	16	15	11	[illegible]	8	21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	340	330	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	360	[illegible]	[illegible]	[illegible]	380	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4
	UQ																								
	LQ																								
foF1	MED										[illegible]	[illegible]	[illegible]	[illegible]											
	CNT										1	4	4	[illegible]											
foE	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT							8	[illegible]	24	[illegible]	[illegible]	26	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]						
h'E	MED							140	[illegible]	100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT							5	21	22	[illegible]	27	25	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
foEs	MED	23	20	21	21	[illegible]	17	17	20	23	24	25	26	27	26	25	23	[illegible]	18	[illegible]	[illegible]	[illegible]	21	[illegible]	[illegible]
	CNT	12	6	7	4	[illegible]	[illegible]	12	[illegible]	[illegible]	[illegible]	[illegible]	28	27	[illegible]	[illegible]	[illegible]	27	[illegible]	7	3	4	5	[illegible]	[illegible]

SWEEP 0.65 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC. MARCH, 1963

TABLE 16

LYCKSELE, SWEDEN (64.7N, 18.8E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	13	[illegible]	[illegible]	30	35	[illegible]	44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	44	38	31	[illegible]	21
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	[illegible]	[illegible]	[illegible]
h'F2	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT									[illegible]	18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	UQ									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	LQ									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	210	[illegible]	230	235	235	235	240	240	250	270
	CNT	17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	24	28	28	26	24	21
	UQ	305	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	240	[illegible]	245	265	310
	LQ	[illegible]	280	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	215	[illegible]	195	185	185	[illegible]	205	[illegible]	[illegible]	[illegible]	[illegible]	230	230	235	240	250
M(3000)F2	MED	[illegible]	280	280	280	280	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	310	330	300	300	295	280
	CNT	22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	31	[illegible]	27	29	28	27	24	26	24
	UQ	[illegible]	285	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	310	310	300	300	290
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	280	280
foF1	MED									340	[illegible]	[illegible]	[illegible]	380	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT									[illegible]	18	[illegible]	[illegible]	8	[illegible]	[illegible]	[illegible]	[illegible]							
foE	MED						[illegible]	140	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	90				
	CNT						[illegible]	17	24	[illegible]	21	[illegible]	31	[illegible]	30	[illegible]	30	[illegible]	[illegible]	[illegible]	2				
h'E	MED						135	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	100	[illegible]	105	[illegible]	[illegible]	[illegible]	125		130			
	CNT						[illegible]	13	18	23	31	[illegible]	31	24	[illegible]	26	[illegible]	24	16	5		1			
foEs	MED	[illegible]	21	[illegible]	21	[illegible]	[illegible]	[illegible]	[illegible]	24	23	23	[illegible]	[illegible]	25	21	25	23	[illegible]	21	10	5	5	5	5
	CNT	27	29	[illegible]	27	26	24	[illegible]	[illegible]	28	[illegible]	[illegible]	31	30	[illegible]	[illegible]	30	31	28	26	24	25	26	28	29

SWEEP 0.33 MC TO 20.0 MC IN 3 MINUTES. MARCH, 1963

TABLE 17

UPPSALA, SWEDEN (59.8N, 17.6E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	22	21	20	20	19	19	28	38	44	50	50	51	54	54	54	53	51	49	46	48	43	33	27	23
	CNT	27	29	29	28	28	30	31	31	29	30	30	31	31	31	31	31	30	31	31	31	30	30	28	29
	UQ	25	23	22	22	20	21	32	41	48	53	54	55	56	57	56	55	54	51	50	50	45	42	32	26
	LQ	19	18	18	18	17	17	23	35	41	44	46	49	49	51	51	50	49	44	44	43	37	30	22	18
h'F2	MED								260	290	265	285	270	280	275	275	260	250	315						
	CNT								1	9	23	27	31	27	28	30	18	6	1						
	UQ									300	300	300	305	290	300	295	275	260							
	LQ									270	245	250	255	250	250	250	250	250							
h'F	MED	270	265	270	265	265	250	240	215	210	205	200	195	195	200	205	210	215	225	235	235	230	230	240	260
	CNT	27	29	30	30	30	30	31	31	29	29	30	29	27	30	31	31	30	31	31	31	31	31	31	29
	UQ	290	290	290	295	290	275	250	230	215	210	205	200	205	210	210	215	225	240	240	240	240	240	255	290
	LQ	260	255	255	250	250	240	230	210	205	200	195	185	190	190	200	205	205	220	220	230	225	220	230	245
M(3000)F2	MED	290	280	280	280	285	290	320	330	330	340	340	340	330	330	330	330	340	330	320	310	315	310	300	280
	CNT	27	29	29	28	28	30	31	31	29	30	30	31	31	31	31	31	30	31	31	31	30	30	28	29
	UQ	290	290	290	290	290	300	330	340	340	350	340	350	340	340	340	340	340	340	330	320	320	320	310	300
	LQ	280	270	270	270	280	270	300	330	330	330	320	330	320	330	330	330	330	320	320	310	310	300	290	270
foF1	MED									360	365	390	390	390	390	380	350	350	250						
	CNT									7	18	22	28	24	26	25	13	3	1						
foE	MED			80	110		90	135	180	220	240	250	260	265	270	260	240	225	180	130	95				
	CNT			1	1		3	22	31	29	29	30	31	28	30	31	31	31	30	16	4				
h'E	MED			125	115		115	110	110	105	105	105	100	100	100	100	105	110	115	130	130				
	CNT			1	1		1	16	29	27	26	29	30	30	28	28	29	30	29	12	2				
foEs	MED	22	22	23	23	25	24	27	28	28	27	29	28	28	28	28	28	27	25	23	22	5	21	20	22
	CNT	26	30	30	30	29	28	30	31	29	30	30	31	31	31	31	31	31	31	31	30	28	28	28	28

SWEEP 0.33 MC TO 20.0 MC IN 3 MINUTES. MARCH, 1963

TABLE 18

DOURBES, BELGIUM (50.1N, 4.6E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	32	32	32	32	30	26	34	45	48	55	58	57	57	59	57	58	56	54	54	51	46	37	33	31
	CNT	29	29	29	29	29	29	29	29	29	28	28	28	30	29	27	28	28	29	29	28	27	28	27	28
	UQ	35	35	34	34	33	29	38	48	51	57	59	59	61	60	61	60	58	58	58	56	51	42	35	33
	LQ	29	29	28	30	26	22	30	40	44	50	51	54	55	55	54	54	53	52	[illegible]	48	40	32	30	28
h'F2	MED							255	255	268	265	298	305	300	290	300	280	280	260						
	CNT							1	10	20	26	26	27	29	28	26	24	13	5						
	UQ								275	300	306	330	335	328	308	300	295	280	268						
	LQ								245	245	250	270	285	280	272	270	270	265	255						
h'F	MED	295	290	290	280	270	250	250	235	220	220	219	215	210	228	220	238	244	245	245	240	240	245	260	282
	CNT	29	29	29	29	29	29	29	29	29	29	28	27	29	28	27	28	29	29	29	28	28	28	28	28
	UQ	300	300	295	295	285	265	260	240	230	232	229	220	222	242	230	245	249	250	250	250	242	252	280	300
	LQ	278	282	285	280	262	245	240	230	215	210	205	205	200	215	210	230	240	240	232	235	232	235	250	265
M(3000)F2	MED	294	294	294	294	303	314	333	351	350	352	340	332	333	333	335	338	338	345	327	326	327	320	306	296
	CNT	29	29	29	29	29	29	29	29	29	28	26	28	30	29	27	28	28	29	29	28	27	28	27	28
	UQ	300	300	300	302	308	323	351	360	362	364	351	345	345	345	344	345	343	346	339	332	338	331	311	304
	LQ	285	291	288	288	294	304	324	341	332	338	321	323	320	328	328	331	328	338	318	318	318	312	294	286
foF1	MED							190	308	360	380	400	415	412	408	390	370								
	CNT							1	4	10	14	18	24	22	18	14	11								
foE	MED							E 116	180	230	250	280	290	292	290	270	250	230	170	F 120					
	CNT							24	27	28	26	21	19	28	28	26	28	28	22	4					
h'E	MED							E 131	121	118	115	115	115	113	114	115	118	120	126	133					
	CNT							23	29	29	29	28	27	29	28	27	28	28	28	7					
foEs	MED	F	E	F	E	F	E	F 12	E 18	F 23	F 25	F 28	F	F 29	F 29	F 27	F 25	F 22	20	14	12	F	F	F	F
	CNT	29	29	29	29	29	29	29	29	29	29	28	27	29	28	27	28	28	29	29	28	28	28	28	28

SWEEP 1.0 MC TO 20.0 MC IN 3 MINUTES. MARCH, 1963

TABLE 19

CONCEPCION, CHILE (36.6S, 73.0W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	46	43	42	42	38	27	42	52	58	64	68	73	85	91	92	87	85	81	77	65	46	46	47	46
	CNT	19	17	24	25	24	20	26	26	26	25	25	26	29	27	28	29	26	26	25	27	27	27	25	22
	UQ	48	47	46	49	42	30	44	55	65	67	81	86	93	101	100	99	101	87	88	82	58	52	50	49
	LQ	41	40	38	39	35	24	39	49	55	60	64	68	77	73	80	80	75	72	66	52	41	38	38	39
h'F2	MED									250	260	270	280	282	275	270	262	252	250						
	CNT								1	12	17	22	23	28	28	27	28	24	26	2					
	UQ									260	278	280	300	295	290	280	270	260	260						
	LQ									240	252	260	260	278	265	260	252	250	240						
h'F	MED	300	290	280	240	220	260	225	220	220	220	E 220	202	198	E 205	F 205	F 225	E 235	F 238	230	220	240	290	290	310
	CNT	27	27	25	25	25	24	26	26	25	21	19	20	20	21	20	17	15	14	25	27	27	27	25	27
	UQ	310	310	290	255	230	305	230	[illegible]	230	230	230	230	235	245	230	240	245	240	240	240	260	310	310	320
	LQ	290	280	260	230	210	228	220	210	220	212	200	193	190	190	190	190	220	230	222	210	230	280	280	280
M(3000)F2	MED	300	292	310	335	350	315	350	368	360	350	340	340	330	330	335	330	345	348	350	340	310	290	290	290
	CNT	19	16	23	25	23	19	26	26	26	25	24	25	27	27	28	29	25	26	23	27	27	26	24	22
	UQ	300	300	320	350	370	325	360	375	370	350	350	350	340	340	345	345	350	355	365	360	320	300	300	300
	LQ	285	282	290	320	335	300	340	355	345	340	330	320	315	320	325	325	332	340	330	325	[illegible]	280	285	280
foF1	MED													455											
	CNT											1	4	6	2	4									
foE	MED								220	270	290	310	315	325	310	315	308								
	CNT							2	20	20	17	15	17	14	7	13	8	4	4						
h'E	MED								104	107	103	104	103	104	106	109	104	104	112						
	CNT							2	18	23	23	24	25	24	23	24	22	18	9						
foEs	MED	34	34	24	25	22	26	22	27	30	35	34	42	41	41	40	44	46	41	44	33	33	33	27	26
	CNT	20	14	20	23	19	21	18	25	26	25	23	25	25	27	28	29	23	26	23	22	23	25	18	19

SWEEP 1.0 MC TO 25.0 MC IN 31.5 SECONDS. MARCH, 1963

TABLE 20

GODLEY HEAD (CHRISTCHURCH), N.Z. (43.6S, 172.8E) TIME 180.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	41	40	38	36	34	30	28	41	49	58	60	62	64	63	64	64	60	58	58	62	61	58	50	43
	CNT	29	28	28	26	27	26	28	28	29	30	31	29	30	31	31	31	31	31	31	31	29	28	26	28
	UQ																								
	LQ																								
h'F2	MED								230	250	260	260	260	270	270	260	260	260	250	260					
	CNT								1	15	30	31	28	29	31	31	30	25	10	3					
	UQ																								
	LQ																								
h'F	MED	260	260	260	250	250	250	250	220	220	210	[illegible]	[illegible]	190	190	200	200	210	220	230	230	240	230	240	250
	CNT	29	30	30	31	28	29	28	24	28	24	28	24	26	29	27	29	28	29	27	29	28	26	25	28
	UQ																								
	LQ																								
M(3000)F2	MED	320	325	320	325	325	330	335	360	360	355	[illegible]	360	360	350	350	355	350	350	345	335	330	345	335	330
	CNT	29	28	28	26	27	26	27	24	24	27	30	28	31	31	30	31	31	31	31	31	29	28	25	28
	UQ																								
	LQ																								
foF1	MED									370	400	420	420	440	440	430	420	410							
	CNT									2	15	27	25	21	24	22	11	3							
foE	MED	110	E	E	F	F	F	140	190	240	280	300	310	330	330	320	300	290	250	210	160	130		F	
	CNT	4	4	5	5	7	11	11	28	30	30	27	26	21	25	28	30	28	28	23	13	4			
h'E	MED								110	105	100	100	100	100	100	100	100	100	100	110	105				
	CNT								16	31	31	31	[illegible]	[illegible]	30	26	30	29	25	13	2				
foEs	MED	25	24	23	23	20	18			26	[illegible]	36	40	39	40	38			27	21		27	21	25	21
	CNT	31	31	31	31	31	31	30	30	31	31	31	29	31	31	31	31	[illegible]	31	31	31	31	31	31	31

SWEEP [illegible] MC TO [illegible] MC IN 7 SECONDS. MARCH, 1963

TABLE [illegible]

TAIPEI (TAIWAN), CHINA [illegible]N, [illegible]E TIME 120.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	48	[illegible]	[illegible]	[illegible]	29	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	122	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	44	[illegible]
	CNT	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	28	[illegible]	29	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	144	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	51	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT									[illegible]	[illegible]	[illegible]	27	[illegible]	[illegible]	[illegible]	[illegible]								
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									
	CNT												[illegible]	[illegible]	[illegible]	[illegible]									
foE	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT									[illegible]		[illegible]	[illegible]				[illegible]								
h'E	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									
foEs	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. FEBRUARY, 1963

TABLE [illegible]

SINGAPORE, BRITISH MALAYA [illegible]N, [illegible]E TIME 105.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	43	33	31	28	[illegible]	29	28	60	74	76	85	84	82	82	[illegible]	[illegible]	[illegible]	[illegible]	88	83	78	81	86	70
	CNT	25	[illegible]	[illegible]	[illegible]	[illegible]	23	24	27	28	26	[illegible]	27	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27	[illegible]	[illegible]	26	26	26
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	340	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	335	[illegible]	[illegible]	270	[illegible]	[illegible]	[illegible]	[illegible]	235	265	[illegible]	[illegible]	260	[illegible]	[illegible]	300	345	365
	CNT	23	25	22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27	27	[illegible]	27	27	[illegible]	23	17	21
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	285	245	180	105				
	CNT	[illegible]		[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	17	13	1				
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	23	[illegible]	31	[illegible]	34	[illegible]					27	34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	20
	CNT	[illegible]	27	27	27	[illegible]	[illegible]	27	27	28	[illegible]	[illegible]	[illegible]	27	27	[illegible]	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27

SWEEP 0.67 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC. FEBRUARY, 1963

TABLE [illegible]

GODLEY HEAD (CHRISTCHURCH), N.Z. (43.6S, 172.8E) TIME 180.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	33	28	33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	64	[illegible]	[illegible]	58	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	57	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	23	[illegible]	[illegible]	24	28	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	28	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	UQ																								
	LQ																								
h'F	MED	[illegible]	250	250	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	23	[illegible]	16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	345	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	23	23	22	[illegible]	21	[illegible]	[illegible]	24	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED							[illegible]		400	410	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	CNT							[illegible]		6	20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
foE	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	12	[illegible]	[illegible]	260	[illegible]	[illegible]	330	[illegible]	330	[illegible]	[illegible]	300	[illegible]	[illegible]	[illegible]	[illegible]			
	CNT	5	3	5	5	5	[illegible]	[illegible]	21	23	[illegible]	[illegible]	14	[illegible]	[illegible]	18	21	22	23	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
h'E	MED					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	CNT					[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
foEs	MED	32	U 31	U 30	[illegible]	28	28	[illegible]	32	[illegible]	37	[illegible]	42	41	[illegible]	44	41	[illegible]	[illegible]	[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	27	28	28	28	28	27	27	27	28	28	27	26	28	28	25	28	28	28	28	28	28	28	28	28

SWEEP 1.0 MC TO 22.0 MC IN 7 SECONDS. [illegible], 1963

TABLE 24

INVERNESS, SCOTLAND (57.4N, 4.2W) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	16	[illegible]	F 16	[illegible]	21	[illegible]	48	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	38	28	21	16	14	16	18
	CNT	4	[illegible]	7	[illegible]	[illegible]	16	22	18	[illegible]	21	14	[illegible]	[illegible]	18	21	17	[illegible]	[illegible]	[illegible]	[illegible]	16	15	13	11
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	300	275	[illegible]	F 300	[illegible]	[illegible]		300	250	225	[illegible]	[illegible]	[illegible]	[illegible]	220	220	[illegible]	[illegible]	240	250				300
	CNT	1	[illegible]	17	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	23	[illegible]	[illegible]	23	[illegible]	[illegible]	[illegible]	21	[illegible]	17	[illegible]				1
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	275	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	365	[illegible]	[illegible]	335	[illegible]	305	310	280	275	280
	CNT	4		[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	11	[illegible]	[illegible]	18	[illegible]	18	20	[illegible]	[illegible]	[illegible]	18	15	2	2	1	4
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED									[illegible]	160	[illegible]	21	225	[illegible]	[illegible]	190	[illegible]	160						
	CNT									1	14	[illegible]	17	18	18	18	[illegible]	[illegible]	1						
h'E	MED										140	[illegible]	[illegible]	[illegible]	[illegible]	125	130		[illegible]						
	CNT										[illegible]	4	[illegible]	11	[illegible]	[illegible]	4		1						
foEs	MED	[illegible]	[illegible]	11	[illegible]	[illegible]	[illegible]	16	[illegible]	15	13	[illegible]	26	26	[illegible]	26	21	[illegible]	16	16	16	16	16	16	16
	CNT	25	[illegible]	[illegible]	21	[illegible]	[illegible]	24	24	[illegible]	[illegible]	22	[illegible]	23	22	22	[illegible]	[illegible]	24	24	25	23	23	25	25

SWEEP 0.67 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC. JANUARY, 1963

TABLE 25

SLOUGH, ENGLAND (51.5N, 0.6W) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	31	31	30	27	24	23	22	22	39	52	56	57	59	57	57	50	47	40	31	26	24	27	30	31
	CNT	18	20	18	19	21	19	21	24	23	23	22	25	25	24	25	26	26	24	21	24	24	19	19	19
	UQ	32	32	32	30	26	25	23	23	42	56	60	60	63	66	58	55	49	43	35	28	26	29	31	33
	LQ	30	28	28	25	19	19	18	20	36	49	52	54	57	54	54	49	46	39	30	24	22	24	24	29
h'F2	MED											235	235	240	235	230									
	CNT											6	11	16	12	7									
	UQ											280	245	250	260	240									
	LQ											225	220	235	225	225									
h'F	MED	250	255	260	260	255	F 250	220	F 250	225	220	230	215	210	210	225	220	210	210	220	F 240	F 250	F 270	F 270	F 265
	CNT	14	17	19	19	16	8	6	8	24	25	22	26	23	23	26	27	25	18	16	13	12	14	16	16
	UQ	260	260	280	275	270		255		230	225	230	225	225	220	230	225	225	220	230		270	280		
	LQ	245	240	250	255	245		210		210	210	215	205	195	195	220	210	205	205	210		240	260		
M(3000)F2	MED	300	300	305	300	300	320	335	320	345	355	360	360	355	365	370	370	355	335	325	320	310	300	300	305
	CNT	14	19	15	17	18	12	13	15	23	21	19	23	22	23	25	24	24	23	21	22	20	13	12	14
	UQ	310	315	310	310	310	320	350	340	360	365	375	365	365	375	400	400	365	360	350	335	315	305	305	310
	LQ	295	295	290	295	290	310	315	305	335	350	335	345	345	350	350	355	350	325	320	310	290	290	290	295
foF1	MED											340	350	360	350	340									
	CNT											[illegible]	[illegible]	14	[illegible]	[illegible]									
foE	MED	F 140	F 145	F 110	F 110	F 110	F 160	F 160	F 160	165	210	235	250	255	260	240	215	[illegible]	F [illegible]	F [illegible]	F 160	F 160	F 160	F 160	F 140
	CNT	23	24	24	23	23	21	24	23	15	13	[illegible]	24	16	16	18	24	22	26	26	25	25	24	24	24
h'E	MED									150	125	120	115	115	120	120	125	140							
	CNT									[illegible]	6	15	23	[illegible]	22	[illegible]	[illegible]								
foEs	MED	F 15	F 12	F 14	F 12	E 12	E 16	F 16	F 16	17	22	24	26	27	22	24	[illegible]	18	17	F 16	F 16	F 15	F 16	F 16	F 16
	CNT	24	24	24	23	24	23	24	24	19	25	27	27	25	26	26	26	27	26	25	25	25	[illegible]	24	24

SWEEP 0.67 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC. JANUARY, 1963

TABLE 26

SOTTENS, SWITZERLAND (46.6N, 6.7E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	31	31	31	31	30	25	26	23	32	44	55	61	59	59	58	57	51	43	36	34	28	27	29	30
	CNT	27	27	29	30	28	26	27	24	27	27	29	30	28	[illegible]	29	29	30	28	27	27	30	22	29	28
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	270	260	260	260	[illegible]	255	[illegible]	250	[illegible]	215	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	225	[illegible]	[illegible]	215	225	235	285	295	275
	CNT	24	28	29	29	30	30	28	25	28	29	29	[illegible]	29	[illegible]	[illegible]	[illegible]	[illegible]	27	27	25	25	18	24	28
	UQ																								
	LQ																								
M(3000)F2	MED	310	310	310	[illegible]	310	320	335	[illegible]	350	360	350	360	360	360	360	360	365	350	335	340	340	315	310	300
	CNT	25	24	29	[illegible]	27	[illegible]	24	16	[illegible]	23	21	18	18	25	24	27	22	23	22	25	25	14	24	26
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED										[illegible]	220	[illegible]	260	[illegible]	250	[illegible]	200							
	CNT										8	16	19	16	4	5	15	6	1						
h'E	MED										[illegible]	110	110	[illegible]	110	110	110	[illegible]							
	CNT										9	[illegible]	[illegible]	[illegible]	6	[illegible]	[illegible]	7							
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS. JANUARY, 1963

TABLE 27

WAKKANAI, JAPAN (45.4N, 141.7E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	32	33	[illegible]	32	33	30	27	36	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	54	53	48	38	33	28	28	32	32	33
	CNT	25	23	24	24	27	28	[illegible]	29	[illegible]	28	28	28	[illegible]	[illegible]	[illegible]	[illegible]	24	28	28	28	29	29	28	26
	UQ	33	34	33	33	36	34	29	39	58	56	72	68	[illegible]	65	62	[illegible]	[illegible]	43	35	31	33	33	35	34
	LQ	30	30	29	[illegible]	[illegible]	27	26	34	47	[illegible]	62	[illegible]	[illegible]	58	58	[illegible]	44	34	30	26	25	[illegible]	[illegible]	30
h'F2	MED										240	250	240	240	250	240	[illegible]								
	CNT										4	18	[illegible]	22	[illegible]	[illegible]									
	UQ																								
	LQ																								
h'F	MED	[illegible]	280	280	[illegible]	250	240	270	235	[illegible]	[illegible]	[illegible]	[illegible]	225	225	230	[illegible]	[illegible]	240	[illegible]	245	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	29	30	[illegible]	[illegible]	[illegible]	[illegible]	30	29	29	28	28	28	24	[illegible]	29	29	29	28	28	28	29	29	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	325	[illegible]	335	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	355	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	25	23	24	24	[illegible]	[illegible]	[illegible]	[illegible]	29	28	28	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29	[illegible]	29	[illegible]
	UQ																								
	LQ																								
foF1	MED										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									
foE	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.0 MC TO 18.0 M[illegible] IN [illegible] MIN[illegible]. JAN[illegible], 1963

TABLE 28

AKITA, JAPAN (39.7N, 140.1E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26	40	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	58	[illegible]	44	[illegible]	33	[illegible]	[illegible]	[illegible]	34
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	34	[illegible]	[illegible]	[illegible]	35
	LQ	30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	34	[illegible]	[illegible]	[illegible]	[illegible]	30
h'F2	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT												[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
foE	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible] JAN[illegible], 1963

KOKUBUNJI, TOKYO, JAPAN (35.7N, 139.5E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	300	290	300	325	315	315	U 310	340	350	350	330	350	350	345	340	345	355	335	335	330	320	305	295	300
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 20.0 MC IN 20 SECONDS. JANUARY, 1963

YAMAGAWA, JAPAN (31.2N, 130.6E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 20.0 MC IN 20 SECONDS. JANUARY, 1963

TABLE 31

TAIHAKU, HONG KONG (22.2N, 114.2E) TIME 120.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	3	4	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. JANUARY, 1963

TABLE 32

SINGAPORE, MALAYA (1.3N, 103.8E) TIME 105.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	5	16	7	8	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 0.67 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC. JANUARY, 1963

TABLE 33

GODLEY HEAD (CHRISTCHURCH), N.Z. (43.6S, 172.8E) TIME 180.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	52	49	42	38	32	34	42	50	58	57	60	60	60	57	58	58	59	63	66	70	70	64	59	58
	CNT	28	30	28	26	28	27	29	28	27	29	27	26	26	26	30	30	31	28	27	27	26	29	26	29
	UQ																								
	LQ																								
h'F2	MED							260	[illegible]	280	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	CNT							7	19	[illegible]	[illegible]	[illegible]	25	24	[illegible]	30	29	[illegible]	28	27	[illegible]				
	UQ																								
	LQ																								
h'F	MED	260	250	250	250	250	[illegible]	230	[illegible]	[illegible]	[illegible]	200	[illegible]	[illegible]	[illegible]	200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	26	27	28	27	29	27	22	15	11	12	18	13	18	18	22	[illegible]	17	[illegible]	14	14	21	26	23	27
	UQ																								
	LQ																								
M(3000)F2	MED	315	320	320	315	320	325	340	340	340	345	335	335	330	335	330	330	320	325	325	335	330	325	320	315
	CNT	28	[illegible]	28	[illegible]	28	[illegible]	27	27	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	27
	UQ																								
	LQ																								
foF1	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	360				
	CNT								[illegible]	15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14	2				
foE	MED	E	E	E	E	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	170	[illegible]	[illegible]	[illegible]
	CNT	4	7	8	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27	18	13	4	1	[illegible]
h'E	MED						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	CNT						2	22	[illegible]	[illegible]	31	31	28	28	[illegible]	[illegible]	31	31	31	31	24	1			
foEs	MED	30	32	32	29	[illegible]	26	[illegible]	[illegible]	47	45	47	[illegible]	46	44	45	[illegible]	44	48	43	45	40	38	[illegible]	37
	CNT	31	[illegible]	[illegible]	[illegible]	31	[illegible]	31	31	31	31	31	[illegible]	29	30	31	[illegible]	[illegible]	31	31	31	[illegible]	31	31	31

SWEEP 1.0 MC TO 22.0 MC IN 7 SECONDS. JANUARY, 1963

TABLE 34

INVERNESS, SCOTLAND (57.4N, 4.[illegible]W) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	J 20	J 19	U 18	U 17	17	18	J 16	18	22	39	48	54	56	57	56	53	42	34	25	19	19	U 18	19	18
	CNT	6	6	9	8	11	12	9	4	24	27	26	29	28	29	30	28	30	26	25	17	13	8	6	6
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	340	310	310	310	310	310	260	200	250	230	220	230	220	220	225	220	230	235	240	E 250	E 330	400	320	360
	CNT	15	26	26	22	17	7	5	1	18	27	27	28	30	30	30	29	30	25	23	4	4	1	3	5
	UQ																								
	LQ																								
M(3000)F2	MED	290	270	260	260	280	280	310		290	340	360	355	350	355	350	350	335	320	330	315	290		255	285
	CNT	1	1	3	2	5	2	2		6	22	22	23	23	28	25	25	22	17	13	5	2		1	1
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED										170	190	210	210	210	200	170								
	CNT										8	11	8	8	10	12	11								
h'E	MED									175		130	140	130	130	140	155								
	CNT									1		1	6	7	5	4	1								
foEs	MED	E 16	E 10	E 10	E 10	E 13	E 16	E 16	E 16	E 16	19	26	26	26	26	26	17	E 16	E 16	E 16	E 16	E 16	E 16	E 16	E 16
	CNT	28	27	28	25	26	29	28	28	28	27	27	29	30	30	30	29	31	39	30	29	28	28	29	28

SWEEP 0.67 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC. DECEMBER, 1962

TABLE 35

SLOUGH, ENGLAND (51.5N, 0.6W) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	28	28	30	23	22	[illegible]	20	20	38	50	59	60	61	60	62	57	48	37	[illegible]	25	24	24	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	28	28	[illegible]	[illegible]	[illegible]	28	29	[illegible]	[illegible]	31	[illegible]	27	27	25	28	[illegible]	[illegible]	[illegible]
	UQ	32	31	[illegible]	28	24	22	22	23	[illegible]	[illegible]	[illegible]	[illegible]	67	[illegible]	65	[illegible]	[illegible]	41	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	24	24	[illegible]	[illegible]	17	18	18	18	[illegible]	[illegible]	52	54	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27	22	[illegible]	22	[illegible]	25
h'F2	MED											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT											[illegible]	[illegible]	17	[illegible]	[illegible]	[illegible]								
	UQ											240	235	230	235	[illegible]									
	LQ											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	21	[illegible]	[illegible]	29	27	[illegible]	6	[illegible]	[illegible]	[illegible]	27	25	[illegible]	27	[illegible]	[illegible]	[illegible]	[illegible]	22	23	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	265	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	215	235	255		[illegible]	295		[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	245	[illegible]	[illegible]		21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]		[illegible]
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	320	300	295	[illegible]	[illegible]
	CNT	22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22	24	[illegible]	[illegible]	[illegible]	21	19
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	28	[illegible]	[illegible]	285	[illegible]	[illegible]	31	[illegible]	[illegible]	345	[illegible]	[illegible]	355	[illegible]	[illegible]	[illegible]	[illegible]	315	[illegible]	31	300	[illegible]	[illegible]	[illegible]
foF1	MED											[illegible]	350	[illegible]	[illegible]	300									
	CNT											[illegible]	[illegible]	14	[illegible]	[illegible]									
foE	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	31	[illegible]	[illegible]	30	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18	[illegible]	17	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'E	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	31	[illegible]	[illegible]	30	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18	[illegible]	[illegible]	31	[illegible]	[illegible]	[illegible]

[illegible]

TABLE 36

WAKKANAI, JAPAN (45.4N, 141.7E) TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	33	[illegible]	[illegible]	33	[illegible]	[illegible]	27	38	[illegible]	[illegible]	58	71	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	27	[illegible]	[illegible]	27	29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									
	CNT										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	250	265	[illegible]	300	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									
	CNT										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									
foE	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

TABLE 37

[illegible] JAPAN [illegible] TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	3	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]																							
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.6 MC TO 20.0 MC IN 20 SECONDS.

DECEMBER, 1962

TABLE 38

[illegible] JAPAN [illegible] TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	1	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 20.0 MC IN 20 SECONDS.

DECEMBER, 1962

TABLE 39

YAMAGAWA, JAPAN (31.2N, 130.6E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	0	2	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																							
	CNT																							
	UQ																							
	LQ																							
h'F2	MED																							
	CNT																							
	UQ																							
	LQ																							
h'F	MED																							
	CNT																							
	UQ																							
	LQ																							
M(3000)F2	MED																							
	CNT																							
	UQ																							
	LQ																							
foF1	MED																							
	CNT																							
foE	MED																							
	CNT																							
h'E	MED																							
	CNT																							
foEs	MED																							
	CNT																							

SWEEP 1.0 MC TO 20.0 MC IN 20 SECONDS.

DECEMBER, 1962

TABLE 40

JOHANNESBURG, UNION OF S. AFRICA (26.1S, 28.1E) TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	2	13	14	.5	16	7	18	19	20	21	22	23
foF2	MED	44	42	39	35	32	35	48	56	66	72	76	80	84	84	81	83	81	79	76	71	66	58	49	44
	CNT	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	29	29	29	29	29	29	29	29	29
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
	CNT	255	245	235	225	225	245	230	220	215	215	210	210	205	215	215	240	245	245	250	270	260	235	260	270
	UQ	17	12	10	13	14	14	14	15	14	14	14	14	17	14	14	14	14	14	7	14	21	21	14	8
	LQ																								
M(3000)F2	MED	29	31	31	31	31	31	31	29	29	28	28	28	28	28	28	28	29	29	29	29	29	29	29	29
	CNT	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	29	29	29	29	29	29	29	29
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
	CNT	17	17	14	14	13	14	23	32	35	35	38	42	40	40	37	38	34	30	26	21	18	18	18	16
		28	28	27	28	28	28	27	28	28	27	28	28	28	28	27	28	28	28	29	29	29	29	29	29

SWEEP 1.0 MC TO 15.0 MC IN 1 MINUTE 30 SECONDS.

DECEMBER, 1962

TABLE 41

CAPETOWN, UNION OF S. AFRICA [illegible] TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	3M	3M	3M	3M	3M	4M	4M	5M	6M	6M	7M	7M	7M	7M	7M	7M	7M	7M	7M	6M	6M	6M	6M	6M
	CNT	2M	2M	2M	2M	2M	2M	2M	2M	3M	3M	3M	3M	[illegible]											
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED			F		F																F			
	CNT			2M1																					
	UQ																								
	LQ																								
M(3000)F2	MED	2M	2M	2M	2M	[illegible]																			
	CNT	2M	2M	2M	2M																				
	UQ																								
	LQ																								
foF1	MED								1M																
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT	2M	2M	2M	2M	2M	2M	2M	2M	2M	2M	2M	2M	2M	2M	2M	2M	2M	2M	2M	2M	2M	2M	2M	2M

SWEEP 1.0 MC TO 15.0 MC IN [illegible] MINUTES [illegible]

DECEMBER, 1962

TABLE 42

PORT STANLEY (FALKLAND IS.) [illegible] TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	2	3	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

[illegible] 0.67 MC T [illegible]

[illegible] E, 1962

TABLE 43

WARSAW, [illegible], POLAND [illegible] TIME 15.0E

HOUR		00	0	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 18.0 MC [illegible]

[illegible]

TABLE 44

[illegible], ICELAND [illegible] TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	1	2	3	14	15	16	17	18	19	20	2	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'F	MED																								
	CNT																								
foEs	MED																								
	CNT																								

[illegible] MINUTES, AUTOMATIC.

[illegible]

TABLE 45

JOHANNESBURG, UNION OF S. AFRICA (26.1S, 28.1E) — TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	44	41	38	35	32	37	54	61	[illegible]	78	82	84	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	84	[illegible]	[illegible]	[illegible]	[illegible]	48	44
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	F 245	E 230	F [illegible]	F 225	220	245	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	200	205	215	[illegible]	[illegible]	[illegible]	220	240	230	220	F 220	225	F 280
	CNT	3	7	11	[illegible]	18	[illegible]	[illegible]	29	[illegible]	[illegible]	[illegible]	27	[illegible]	4	[illegible]	[illegible]	[illegible]	25	7	[illegible]	18	[illegible]	[illegible]	1
	UQ																								
	LQ																								
M(3000)F2	MED	290	300	300	300	300	320	335	320	300	295	290	280	280	[illegible]	285	[illegible]	295	300	[illegible]	[illegible]	315	315	295	[illegible]
	CNT	30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	30
	UQ																								
	LQ																								
foF1	MED							300	380	440	460	470	480	480	480	470	450	430	380	[illegible]					
	CNT							[illegible]	[illegible]	14	24	28	25	29	[illegible]	24	30	[illegible]	8	[illegible]					
foE	MED							230	260	300	320	340	350	360	360	350	[illegible]	300	250	190					
	CNT							24	25	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21	[illegible]	24	[illegible]	[illegible]					
h'E	MED																								
	CNT																								
foEs	MED	14	14	13	13	12	F 10	22	29	33	36	36	36	38	38	36	34	31	27	21	17	16	J 16	14	14
	CNT	30	30	30	30	30	30	30	30	30	29	29	29	29	30	30	29	28	28	29	30	30	30	30	30

SWEEP 1.0 MC TO 15.0 MC IN 1 MINUTE 30 SECONDS. — NOVEMBER, 1962

TABLE 46

CAPETOWN, UNION OF S. AFRICA (34.1S, 18.3E) — TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	38	38	36	37	34	34	46	58	64	72	78	82	84	[illegible]	[illegible]	[illegible]	86	81	78	72	68	56	44	41
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30	30	30	30
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	F 270	F 250	F 240	F [illegible]	F 240	F [illegible]	[illegible]	230	220	210	205	205	200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	235	230	230	F 220	
	CNT	[illegible]	1	[illegible]	2	4	[illegible]	27	29	27	[illegible]	18	17	[illegible]	15	21	23	24	23	[illegible]	26	22	16	4	
	UQ																								
	LQ																								
M(3000)F2	MED	285	280	[illegible]	[illegible]	295	300	[illegible]	[illegible]	300	290	280	280	280	280	285	290	[illegible]	300	[illegible]	[illegible]	325	325	310	295
	CNT	[illegible]	30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30	30	30	30	30	[illegible]	30	[illegible]	[illegible]	[illegible]	[illegible]	30	30	30	30	30
	UQ																								
	LQ																								
foF1	MED								[illegible]	420	450	460	480	480	470	470	460	440	410	360	220				
	CNT								[illegible]	15	[illegible]	24	24	24	28	28	28	24	19	7	1				
foE	MED							160	230	280	310	330	340	350	340	340	330	310	280	230	180				
	CNT							24	26	24	25	27	22	17	14	16	21	18	19	[illegible]	8				
h'E	MED																								
	CNT																								
foEs	MED	17	18	15	14	14	E 13	E 17	26	31	36	38	39	38	38	37	34	32	30	24	19	E 18	E 16	F 16	18
	CNT	25	26	26	25	26	26	26	26	28	28	28	29	27	29	28	29	25	28	26	26	22	26	26	26

SWEEP 1.0 MC TO 15.0 MC IN 1 MINUTE 30 SECONDS. — NOVEMBER, 1962

TABLE 47

WARSAW (MIEDZESZYN), POLAND (52.2N, 21.2E) — TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	24	22	34	48	55	[illegible]	[illegible]	[illegible]	67	64	67	65	58	54	[illegible]	46	39	32	31	30
	CNT	28	28	29	31	30	25	28	28	29	27	[illegible]	25	[illegible]	27	27	27	29	25	28	30	28	24	[illegible]	24
	UQ	32	32	32	32	28	24	38	54	63	65	72	78	78	[illegible]	73	72	[illegible]	[illegible]	54	50	42	35	34	32
	LQ	28	24	28	24	[illegible]	[illegible]	[illegible]	44	48	52	[illegible]	56	[illegible]	[illegible]	[illegible]	59	54	52	50	[illegible]	33	[illegible]	29	28
h'F2	MED									265	285	265	260	[illegible]	[illegible]	260	[illegible]								
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	UQ									330	295	295	[illegible]	280	[illegible]	70									
	LQ									250	245	[illegible]	250	250	245	245									
h'F	MED	F 320	F 300	F 290	F [illegible]	F [illegible]	F [illegible]	260	240	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	240	[illegible]	F [illegible]	F [illegible]	F [illegible]	F 270	F [illegible]	F 300
	CNT	24	28	27	[illegible]	[illegible]	24	28	[illegible]	[illegible]	24	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27	21	23	21
	UQ	330	320	305	300	[illegible]	325	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	240	245	[illegible]	[illegible]	260	[illegible]	270	300	315	310
	LQ	300	290	275	275	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	255	240	[illegible]
M(3000)F2	MED	275	280	280	[illegible]	290	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	335	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	24	24	25	23	[illegible]	18	[illegible]	22	[illegible]	[illegible]	19	16	24	[illegible]	16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	16	15	[illegible]
	UQ	280	285	285	[illegible]	305	[illegible]	[illegible]	345	335	335	340	335	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	310	300	[illegible]	[illegible]
	LQ	265	275	265	275	280	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	315	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED									[illegible]	[illegible]	[illegible]	[illegible]	400	400	[illegible]									
	CNT									7	11	11	[illegible]	[illegible]	8	3									
foE	MED							F 160	[illegible]	225	245	260	270	[illegible]	[illegible]	270	240	190	[illegible]						
	CNT							7	15	26	[illegible]	15	7	8	7	[illegible]	14	[illegible]	26						
h'E	MED								126	[illegible]	113	112	109	107	[illegible]	[illegible]	121								
	CNT								8	21	23	20	15	11	7	[illegible]	[illegible]	[illegible]							
foEs	MED	F 15	F	F	F	F	F	F 16	[illegible]	26	[illegible]	33	35	31	30	31	26	[illegible]	[illegible]	F 16	F 16	F 16	F 16	F 16	F 16
	CNT	28	30	29	31	31	29	29	31	31	29	30	28	29	28	28	29	30	30	29	30	30	28	29	28

SWEEP 1.0 MC TO 18.0 MC IN 20 SECONDS. — OCTOBER, 1962

TABLE 48

LINDAU/HARZ, GERMANY (51.6N, 10.1E) — TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	31	31	30	30	27	21	24	40	51	57	60	68	71	68	68	69	65	60	57	56	45	36	31	31
	CNT	23	24	22	22	20	15	23	31	31	31	28	[illegible]	30	24	31	30	31	31	31	30	30	24	25	24
	UQ																								
	LQ																								
h'F2	MED									[illegible]	333	292	288	[illegible]	293	319									
	CNT									1	4	[illegible]	13		[illegible]	[illegible]									
	UQ																								
	LQ																								
h'F	MED	300	300	285	289	[illegible]	260	270	244	231	[illegible]	219	219	220	219	227	238	230	232	237	239	240	251	285	294
	CNT	22	27	26	28	30	28	25	30	31	28	21	25	[illegible]	20	27	28	25	27	27	27	26	20	18	20
	UQ																								
	LQ																								
M(3000)F2	MED	271	275	274	280	283	288	[illegible]	324	[illegible]	332	324	327	329	323	326	330	333	328	312	318	317	305	282	278
	CNT	23	22	21	22	18	[illegible]	19	[illegible]	31	[illegible]	28	3	[illegible]	28	31	30	[illegible]	[illegible]	31	29	30	24	23	23
	UQ																								
	LQ																								
foF1	MED									340	380	390	420	420	420	[illegible]									
	CNT									1	4	6	13	[illegible]	6	2									
foE	MED							F	143	203	241	[illegible]	274	276	283	276	256	223	192	F	F				
	CNT							8	13	13	20	14	5	7	13	[illegible]	17	16	7	5	1				
h'E	MED							F	F	[illegible]	113	[illegible]	110	[illegible]	109	[illegible]	109	111	F	F	F				
	CNT							[illegible]	[illegible]	11	16	[illegible]	19	14	8	3	4	2	4	14	1				
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 4 MINUTES. — OCTOBER, 1962

TABLE 49

RAROTONGA, COOK IS. (21.2S, 159.8W) TIME 165.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	76	63	50	49	50	52	70	81	90	93	103	111	115	105	102	98	97	93	90	85	78	73	72	73
	CNT	25	28	30	29	31	31	30	30	28	28	29	28	28	29	29	27	29	26	24	22	25	18	24	26
	UQ																								
	LQ																								
h'F2	MED							260	250	260	280	290	300	280	280	290	300	290	270						
	CNT							2	24	29	28	29	29	28	29	23	27	29	4						
	UQ																								
	LQ																								
h'F	MED	250	230	250	290	280	270	250	230	220	210	210	220	210	220	230	240	[illegible]	250	[illegible]	250	270	[illegible]	[illegible]	270
	CNT	31	31	31	31	31	31	31	30	27	26	22	22	19	23	23	24	29	29	28	30	30	[illegible]	30	31
	UQ																								
	LQ																								
M(3000)F2	MED	335	340	300	300	300	320	360	365	350	340	330	330	335	330	320	325	330	330	330	320	300	295	300	[illegible]
	CNT	25	28	30	29	31	31	30	30	28	28	29	28	26	24	29	27	29	25	24	22	26	18	24	26
	UQ																								
	LQ																								
foF1	MED								420	450	470	480	490	490	460	450	460								
	CNT								1	9	17	21	24	22	19	14	4								
foE	MED							210	280	310	330	350	360	350	340	330	330	260	180						
	CNT			1	3	5	14	22	22	20	17	17	15	17	19	17	16	20	11	2	1	1			
h'E	MED						150	120	120	100	100	[illegible]	[illegible]	100	100	120	120	120	100						
	CNT						7	30	30	27	28	30	29	27	26	27	26	29	22						
foEs	MED	25	25	24	23	23	25	31	38	40	42	44	43	42	43	40	[illegible]	38	38	36	35	31	25	24	25
	CNT	31	31	31	31	31	31	31	30	29	30	29	29	27	24	29	24	31	31	30	30	30	28	30	31

SWEEP 1.0 MC TO 22.0 MC IN 7 SECONDS.

OCTOBER, 1962

TABLE 50

WARSAW (MIEDZESZYN), POLAND (52.2N, 21.2E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	33	30	30	30	28	30	42	47	52	55	54	56	60	61	60	57	54	56	59	60	52	43	37	35
	CNT	25	24	24	24	20	23	26	25	24	21	19	18	18	24	24	25	22	26	24	21	24	24	25	26
	UQ	35	32	31	30	30	32	45	51	56	63	62	63	68	63	62	60	57	60	60	60	55	46	42	40
	LQ	30	29	26	25	22	28	37	42	48	48	49	51	54	54	54	53	[illegible]	53	52	52	46	38	33	32
h'F2	MED								330	300	300	305	305	295	295	280	280								
	CNT							3	11	14	17	20	16	16	20	16	7	1							
	UQ								395	325	340	325	350	325	310	310	[illegible]								
	LQ								275	290	280	295	290	280	275	275	260								
h'F	MED	300	300	300	300	290	280	250	240	225	215	205	205	200	210	220	230	245	250	250	250	250	265	295	300
	CNT	24	24	24	25	23	25	26	25	21	18	14	16	17	21	21	23	24	26	25	26	25	25	27	24
	UQ	325	315	315	320	315	290	250	240	230	240	225	220	210	225	225	240	250	260	260	275	275	280	305	315
	LQ	290	295	280	290	265	250	250	230	220	210	205	200	200	205	210	215	240	250	245	250	250	250	260	280
M(3000)F2	MED	270	275	275	275	280	305	325	315	310	320	310	315	320	320	320	320	320	310	310	305	300	300	280	275
	CNT	18	18	20	16	17	17	25	17	19	13	14	15	13	20	22	18	22	17	13	9	11	17	20	19
	UQ	275	285	285	290	290	315	330	330	320	325	320	320	325	335	325	330	325	320	315	310	315	310	290	285
	LQ	265	260	260	270	275	290	315	300	300	300	300	295	300	310	315	315	310	305	305	295	290	280	270	265
foF1	MED							330	360	400	400	420	420	400	420	400	400								
	CNT							4	8	14	17	17	18	14	19	10	6								
foE	MED							165	220	260	280	290	300	300	300	290	270	230	190						
	CNT						18	17	20	16	13	17	13	11	12	11	12	13	16	27					
h'E	MED							125	115	100	105	105	103	105	104	105	106	108	125						
	CNT							6	18	17	15	16	12	11	10	11	9	8	7						
foEs	MED	[illegible]	[illegible]	[illegible]	12	12	16	20	26	30	32	34	33	32	32	30	30	28	23	24	20	20	20	16	16
	CNT	26	26	26	26	26	27	26	27	24	22	21	20	19	24	24	26	23	25	26	25	26	26	27	27

SWEEP 1.0 MC TO 18.0 MC IN 20 SECONDS.

SEPTEMBER, 1962

TABLE 51

LINDAU/HARZ, GERMANY (51.6N, 10.1E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	33	31	29	28	29	26	33	40	47	52	56	59	60	60	60	58	58	56	60	64	53	50	40	35
	CNT	27	27	26	27	25	26	28	28	29	30	30	29	30	29	29	30	30	30	30	29	29	29	23	27
	UQ																								
	LQ																								
h'F2	MED								313	332	312	318	326	320	321	298	302	307							
	CNT								[illegible]	9	6	[illegible]	23	[illegible]	[illegible]	[illegible]	8	4							
	UQ																								
	LQ																								
h'F	MED	291	292	294	[illegible]	284	269	[illegible]	239	227	221	[illegible]	210	215	221	221	227	[illegible]	243	247	248	253	248	[illegible]	[illegible]
	CNT	24	25	28	28	28	24	25	26	24	25	27	25	25	24	24	26	27	28	25	24	24	24	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	278	282	278	278	278	284	314	324	318	318	321	321	314	[illegible]	318	318	318	[illegible]	311	[illegible]	308	308	[illegible]	287
	CNT	27	27	26	26	24	26	28	28	29	[illegible]	30	29	29	29	29	30	30	30	30	24	24	[illegible]	30	26
	UQ																								
	LQ																								
foF1	MED								335	372	400	414	425	434	434	[illegible]	414	400							
	CNT								[illegible]	3	16	21	23	24	[illegible]	[illegible]	4	4							
foE	MED								189	241	271	290	302	304	302	276	283	266	232	187					
	CNT						[illegible]	7	4	21	22	24	18	17	16	17	13	13	17	5	[illegible]				
h'E	MED								112	113	[illegible]	109	108	[illegible]	106	108	[illegible]	[illegible]	112						
	CNT						6	22	8	13	22	20	17	17	[illegible]	[illegible]	[illegible]	[illegible]	7	8	[illegible]	[illegible]			
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 4 MINUTES.

SEPTEMBER, 1962

TABLE 52

IBADAN, NIGERIA (7.4N, 3.9E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	62	62	62	48	36	35	[illegible]	75	86	94	90	89	82	88	[illegible]	89	90	95	92	88	90	91	86	67
	CNT	8	[illegible]	[illegible]	11	11	7	1	[illegible]	11	12	13	11	9	13	11	6	7	3	6	6	8	11	7	7
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	275	260	[illegible]	230	245	250	250	240	220	[illegible]	225	220	220	[illegible]	[illegible]	210	210	250	260	300	300	295	275	260
	CNT	14	12	3	14	11	7	[illegible]	8	13	16	17	[illegible]	4	11	[illegible]	3	7	7	14	16	13	15	11	15
	UQ																								
	LQ																								
M(3000)F2	MED	315	335	345	[illegible]	325	320	355	365	330	285	260	260	265	265	255	255	260	275	270	270	280	280	300	310
	CNT	[illegible]	4	[illegible]	8	[illegible]	3	8	[illegible]	[illegible]	12	14	11	8	14	11	5	7	[illegible]	4	4	5	4	7	2
	UQ																								
	LQ																								
foF1	MED										460	480	480	480	470	460	[illegible]								
	CNT										12	[illegible]	13	11	14	[illegible]	3								
foE	MED							[illegible]	280	320	350	370	380	380	370	345	340	285	250	135					
	CNT								4	13	14	14	9	3	8	4	3	6	6	2					
h'E	MED																								
	CNT																								
foEs	MED								30	34		44	46	56			39								
	CNT	14	12	13	14	12	[illegible]	11	13	15	[illegible]	11	10	13	18	15	12	13	9	14	16	13	15	12	15

SWEEP 0.67 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC.

*EQUIPMENT FAILURE ALMOST CONTINUOUSLY FROM 11 A.M., SEPTEMBER 14 THROUGH SEPTEMBER 30, ESPECIALLY FOR foF2

SEPTEMBER, 1962

TABLE [illegible]

BUENOS AIRES, ARGENTINA (34.5S, 58.5W) TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	46	49	50	39	35	52	64	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	12	10	11	13	12	12	16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED														[illegible]										
	CNT																								
foE	MED								[illegible]	[illegible]							[illegible]	[illegible]	[illegible]						
	CNT								[illegible]	[illegible]							[illegible]	[illegible]	[illegible]						
h'E	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. SEPTEMBER, 1962

TABLE [illegible]

WARSAW (MIEDZESZYN), POLAND (52.2N, 21.2E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	185					
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	UQ							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	LQ							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	300	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
foE	MED					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	230	175	[illegible]				
	CNT					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
h'E	MED						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	33	33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.0 MC TO 18.0 MC IN 20 SECONDS. AUGUST, 1962

TABLE [illegible]

LINDAU/HARZ, GERMANY [illegible] TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	34	32	30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	25	28	22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	300
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
foE	MED					[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	CNT					[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11	[illegible]		
h'E	MED					[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	CNT					[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 4 MINUTES. AUGUST, 1962

TABLE [illegible]

IBADAN, NIGERIA (7.4N, 3.9E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	52	38	31	34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	15	18	19	13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14	[illegible]	17	[illegible]	17	18
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	295	300	305	300
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
foE	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	F	[illegible]	F	F	F
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	12	14	[illegible]	18	[illegible]	18	19

SWEEP 0.67 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC. AUGUST, 1962

TABLE 57

BUENOS AIRES, ARGENTINA (34.5S, 58.5W) TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	30	30	30	34	31	26	26	48	58	60	70	73	83	80	80	76	70	62	50	39	38	35	34	35
	CNT	23	23	22	23	21	12	18	21	20	21	16	22	23	24	19	22	[illegible]	25	21	23	24	28	22	20
	UQ																								
	LQ																								
h'F2	MED									250	260	285	280	270	265	260	250	240							
	CNT									7	15	16	22	22	23	21	19	16							
	UQ																								
	LQ																								
h'F	MED	295	300	295	265	230	270	235	235	235	230	225	215	210	215	220	225	235	225	215	230	235	250	270	270
	CNT	25	27	24	27	23	9	15	24	25	19	11	5	5	6	5	15	23	30	30	24	24	26	22	20
	UQ																								
	LQ																								
M(3000)F2	MED	285	300	300	315	335	300	310	350	360	350	335	335	340	345	350	350	350	355	345	330	325	320	310	300
	CNT	19	20	16	16	17	9	14	15	19	18	15	17	14	17	14	19	20	22	14	14	17	22	17	13
	UQ																								
	LQ																								
foF1	MED												430	430											
	CNT												1	1											
foE	MED								210	270	300						300	[illegible]	170						
	CNT								9	7	3							[illegible]	3						
h'E	MED								155	119	119	119	111	119	119	119	121	123	127						
	CNT								4	13	15	14	17	16	12	10	9	4	4						
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. AUGUST, 1962

TABLE 58

WARSAW (MIEDZESZYN), POLAND (52.2N, 21.2E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	45	41	39	37	45	45	48	50	51	56	56	56	55	54	54	52	52	52	53	54	U 60	J 58	54	49
	CNT	27	26	27	27	25	25	23	23	25	24	25	26	26	23	18	25	25	25	23	27	22	23	28	26
	UQ	46	44	41	38	49	49	52	52	57	57	60	59	57	58	56	56	56	56	54	59	63	59	57	51
	LQ	36	37	35	33	42	42	44	47	48	51	52	52	53	51	52	49	49	50	50	52	54	50	50	39
h'F2	MED					375	310	315	360	345	370	350	350	350	360	350	340	340	330	290	270				
	CNT					4	[illegible]	14	15	21	21	26	26	23	19	19	22	21	17	8	6				
	UQ						365	355	380	420	400	375	400	340	380	370	370	365	330	320	270				
	LQ						290	270	320	320	330	320	325	330	330	320	320	325	315	275	260				
h'F	MED	F 275	F 280	E 270	270	250	230	230	210	205	205	200	200	200	200	205	220	220	225	240	260	250	F 250	E 260	E 250
	CNT	22	20	20	[illegible]	22	13	24	14	16	16	14	13	23	21	19	20	18	20	15	13	22	22	25	23
	UQ	290	300	290	[illegible]	260	[illegible]	245	240	220	220	230	[illegible]	210	[illegible]	[illegible]	[illegible]	220	240	250	260	260	260	270	280
	LQ	270	255	260	275	250	[illegible]	215	200	200	[illegible]	[illegible]	[illegible]	200	[illegible]	200	[illegible]	210	200	220	250	240	240	250	250
M(3000)F2	MED	280	285	[illegible]	285	300	310	315	305	295	290	300	300	300	295	295	300	305	305	310	310	310	305	300	290
	CNT	22	[illegible]	23	15	28	24	21	15	13	12	17	22	16	17	13	13	15	21	20	20	7	9	15	18
	UQ	285	290	[illegible]	295	315	320	330	315	310	300	310	305	310	300	320	310	320	310	315	310	315	315	315	305
	LQ	275	280	280	280	280	290	290	285	270	280	290	285	290	290	290	290	300	300	300	300	290	300	300	285
foF1	MED					280	[illegible]	370	400	430	430	440	440	450	440	440	420	410	390	340	290				
	CNT					4	8	15	16	21	23	8	27	24	20	21	21	19	17	7	2				
foE	MED					175	210	230	280	300	310	325	320	330	320	310	310	290	260	220	175				
	CNT					8	14	24	18	20	19	17	17	9	13	14	14	16	18	19	8				
h'E	MED						117	107	105	103	101	101	101	101	101	101	103	103	105	115					
	CNT						1	22	21	27	29	8	19	28	28	25	26	21	18	3					
foEs	MED	F 16	F 16	16	13	19	23	30	37	38	34	[illegible]	40	38	36	37	35	32	31	31	25	25	22	E 16	E 16
	CNT	28	26	27	29	29	29	29	25	25	28	30	30	29	28	27	27	28	27	25	27	25	27	28	29

SWEEP 1.0 MC TO 18.0 MC IN 20 SECONDS. JULY, 1962

TABLE 59

IBADAN, NIGERIA (7.4N, 3.9E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	47	35	34	32	28	23	50	70	80	83	82	80	76	74	74	77	80	85	86	83	68	62	56	52
	CNT	21	20	20	19	15	13	24	27	29	29	29	28	25	24	26	23	27	23	25	17	20	18	26	25
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	295	300	305	280	255	260	250	235	225	210	205	[illegible]	[illegible]	[illegible]	200	200	230	240	250	270	280	290	300	300
	CNT	23	24	23	19	15	20	23	20	21	21	12	7	12	13	16	19	16	23	23	23	23	20	26	26
	UQ																								
	LQ																								
M(3000)F2	MED	340	330	320	330	305	320	340	340	315	305	270	255	255	245	255	260	270	280	290	300	295	305	330	300
	CNT	5	5	5	5	6	8	22	24	28	29	27	25	23	22	23	22	26	23	22	15	[illegible]	9	7	6
	UQ																								
	LQ																								
foF1	MED									420	450	460	460	460	460	450	440	420							
	CNT									7	18	26	21	23	21	23	19	[illegible]							
foE	MED							190	265	315	340	360	375	370	360	350	325	290	240	165					
	CNT							15	15	20	20	1	4	6	6	[illegible]	17	14	22	14					
h'E	MED																								
	CNT																								
foEs	MED	F	F	F	F	F	F	23	32			G	G						21	16	F	F	F	F	F
	CNT	24	25	22	24	21	19	24	27	27	27	30	30	30	35	28	28	28	28	28	27	27	22	26	26

SWEEP 0.67 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC. JULY, 1962

TABLE 60

TOWNSVILLE, AUSTRALIA (19.3S, 146.7E) TIME 150.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	33	34	32	32	28	27	28	44	56	62	65	69	65	64	54	62	60	60	51	42	34	35	35	33
	CNT	14	12	12	15	15	17	17	14	13	17	17	19	21	20	16	18	16	19	19	17	20	17	17	12
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	250	250	240	[illegible]	210	250	[illegible]	230	240	210	210	200	[illegible]	215	[illegible]		220	[illegible]	220	210	230	250	255	250
	CNT	16	16	13	14	11	1	8	18	14	8	15	11	1	8	9	3	10	14	15	13	8	12	14	16
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	320	340	340	330	325	330	325	330	330	330	330	330	335	335	325	300	310	310
	CNT	6	6	6	6	4	8	14	14	18	1	14	12	12	14	15	11	15	18	13	17	19	13	11	5
	UQ																								
	LQ																								
foF1	MED										340	420	430	440	420	420	430								
	CNT										8	9	9	9	[illegible]	14	[illegible]	1							
foE	MED								170	200	230	[illegible]	320	325	320	310	295	260	220	F 160					
	CNT								14	15	[illegible]	15	17	15	14	14	14	12	[illegible]	6					
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS. JULY, 1962

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS.

JULY, 1962

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF.	MED																								
	CNT																								
foE	MED																								
	CNT																								
h E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP

APRIL, 1962

WOOMERA, AUSTRALIA 131.05, 136.8E) TIME 142.5E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	3	14	15	16	17	18	19	20	21	22	23
foF2	MED	52	49	45																					
	CNT	18	19	19																					
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	32	32	32	35	32	32	32	40																
	CNT	29	25	25	29	26	26	28	27																

SWEEP 0.7 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC.

JANUARY, 1962

ATHENS, GREECE (38.0N, 23.6E) TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	0	1	2	13	4	5	6	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 20.0 MC IN 30 SECONDS.

DECEMBER, 1961

TABLE 65

CONCEPCION, CHILE (36.6S, 73.0W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	78	74	72	69	68	71	78	[illegible]	78	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	84	[illegible]	[illegible]	79	77
	CNT	16	22	21	21	17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	86	83	80	75	75	81	87	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	114	[illegible]	[illegible]	[illegible]	[illegible]	87	88	[illegible]	88
	LQ	[illegible]	[illegible]	69	64	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	76	74
h'F2	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	UQ							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	LQ							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
h'F	MED	302	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
foE	MED					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
h'E	MED					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT					24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
foEs	MED	46	38	41	33	30	37	39	46	48	54	48	49	49	52	56	51	53	55	60	50	53	44	48	38
	CNT	27	27	28	25	30	31	31	31	31	31	31	29	29	30	29	29	30	30	31	29	29	28	28	29

SWEEP 1.0 MC TO 25.0 MC IN 31.5 SECONDS. DECEMBER, 1961

TABLE 66

TROMSO, NORWAY (69.7N, 19.0E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22	[illegible]	44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	44	34	[illegible]	27		[illegible]			
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17	[illegible]	[illegible]	[illegible]	[illegible]	21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	[illegible]	[illegible]	[illegible]	2
	UQ		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	37	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]			
	LQ		[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	44	[illegible]	[illegible]	[illegible]	22		18			
h'F2	MED												[illegible]	[illegible]											
	CNT										[illegible]	[illegible]	[illegible]	[illegible]											
	UQ												[illegible]	[illegible]											
	LQ												[illegible]	21											
h'F	MED			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	UQ			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	LQ			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
M(3000)F2	MED					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	2		2	
	UQ					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	310					
	LQ					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	295					
foF	MED																								
	CNT																								
foE	MED																								
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									
h'E	MED																								
	CNT	[illegible]	[illegible]			[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]				1	1				
foEs	MED	44	33	35	33	30	26	27	16	14	20	27	28	23	26	20	[illegible]	[illegible]	[illegible]	[illegible]	32	[illegible]	32	[illegible]	40
	CNT	20	23	24	23	19	16	15	12	7	13	15	12	17	16	15	[illegible]	14	16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 0.7 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC. NOVEMBER, 1961

TABLE 67

ATHENS, GREECE (38.0N, 23.6E) TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	UQ											[illegible]	[illegible]	[illegible]	[illegible]										
	LQ											[illegible]	[illegible]	[illegible]	[illegible]										
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									
foE	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
h'E	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]						
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.0 MC TO 20.0 MC IN 30 SECONDS. NOVEMBER, 1961

TABLE 68

CONCEPCION, CHILE (36.6S, 73.0W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	67	77	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	78	[illegible]	[illegible]	67	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	[illegible]	31	31
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	61	61	[illegible]	[illegible]
h'F2	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	UQ									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	LQ									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	31	[illegible]	31
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED													[illegible]											
	CNT												[illegible]												
foE	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
h'E	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.0 MC TO 25.0 MC IN 31.5 SECONDS. OCTOBER, 1961

TABLE [illegible]

ATHENS, GREECE [illegible] 23.6E) TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	UQ										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	LQ										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
foE	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
h'E	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP [illegible] MC IN 30 SECONDS. SEPTEMBER, 1961

TABLE [illegible]

MAWSON, ANTARCTICA (67.6S, [illegible]) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	2[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		1	[illegible]	4
	UQ																								
	LQ																								
foF1	MED						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]													
	CNT				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]												
foE	MED				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]										
	CNT			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]										
h'E	MED				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]										
	CNT		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]										
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO [illegible] MC IN [illegible] SECONDS. SEPTEMBER, 1961

TABLE [illegible]

WILKES STATION, ANTARCTICA (66.3S, [illegible]) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]		[illegible]		[illegible]
	CNT	[illegible]	[illegible]	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'E	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 15 SECONDS. AUGUST, [illegible]

TABLE 72

MAWSON, ANTARCTICA (67.6S, [illegible]) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]										
	CNT	[illegible]		[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					[illegible]					
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]										
	CNT	[illegible]					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					[illegible]					
	UQ																								
	LQ																								
M(3000)F2	MED						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]										
	CNT					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11					1					
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT						[illegible]	[illegible]	[illegible]			[illegible]	[illegible]					1							
h'E	MED																								
	CNT						[illegible]	[illegible]	[illegible]				1					1							
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO [illegible] MC IN [illegible] SECONDS. JULY, 1961

TABLE 73

MAWSON, ANTARCTICA (67.6S, 62.9E) TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED						35	44	[illegible]	54	[illegible]	[illegible]	[illegible]	[illegible]	35										
	CNT		2	2	2	1	7	12	15	18	18	18	[illegible]	14	[illegible]	[illegible]					[illegible]	[illegible]			
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]										
	CNT		2	[illegible]	2	1	7	12	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]					[illegible]				
	UQ																								
	LQ																								
M(3000)F2	MED						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]										
	CNT		1	2	1	[illegible]	[illegible]	[illegible]	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					[illegible]				
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED								[illegible]																
	CNT						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]		[illegible]		
h'E	MED								[illegible]																
	CNT						[illegible]	[illegible]	[illegible]	[illegible]	1		[illegible]	[illegible]						[illegible]	[illegible]		1		
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 20.0 MC IN 15 SECONDS. JUNE, 1961

TABLE 74

WILKES STATION, ANTARCTICA (66.3S, 110.5E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	32	[illegible]	[illegible]	[illegible]	48	[illegible]	56	[illegible]	48	44	37	36	[illegible]	35	[illegible]	34	[illegible]	20	25	23	26	24	25	34
	CNT	[illegible]	[illegible]	17	[illegible]	19	[illegible]	16	14	14	13	[illegible]	14	[illegible]	[illegible]	[illegible]	14	[illegible]	[illegible]	[illegible]	8	10	9	13	[illegible]
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	225	[illegible]	245	[illegible]	[illegible]	[illegible]	250	245	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	240
	CNT	18	[illegible]	24	[illegible]	22	22	[illegible]	[illegible]	[illegible]	21	21	[illegible]	18	18	[illegible]	18	[illegible]	17	[illegible]	[illegible]	13	11	14	13
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	275		270		285		305	290		310	315		300	
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	[illegible]	[illegible]	8	4	[illegible]	[illegible]	3	[illegible]	[illegible]	4	9	4
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	100	100	100	[illegible]	[illegible]	[illegible]	[illegible]	100	100	100	100	100	100	100	100
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	24	24	23	23	21	21	23	24	24
h'E	MED		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]																
	CNT	[illegible]	[illegible]	21	[illegible]	7	7	[illegible]	12	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	24	24	23	23	21	21	[illegible]	[illegible]	24
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 15 SECONDS. MAY, 1961

TABLE 75

WILKES STATION, ANTARCTICA (66.3S, 110.5E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	33		34	32	[illegible]	33	[illegible]	[illegible]	[illegible]
	CNT	8	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	7	4	7	[illegible]	[illegible]	11	[illegible]	[illegible]	7
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	245	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	18	21	[illegible]	22	24	[illegible]	[illegible]	23	[illegible]	21	[illegible]	[illegible]	19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED		[illegible]	310	[illegible]	[illegible]	[illegible]	285	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	275	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
	CNT	4	[illegible]	14	12	11	9	9	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	7	1	[illegible]				[illegible]
	UQ																								
	LQ																								
foF1	MED			[illegible]	350	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]															
	CNT	2	[illegible]	[illegible]	2	12	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]												
foE	MED	[illegible]	[illegible]	210	225	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	22	23	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'E	MED	110	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	110	[illegible]	[illegible]	[illegible]														
	CNT	15	[illegible]	16	17	[illegible]	18	[illegible]	17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 15 SECONDS. [illegible]

TABLE 76

AHMEDABAD, INDIA (23.0N, 72.6E) TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	41	87	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	152	[illegible]	127	[illegible]	[illegible]	63
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28
	UQ																								
	LQ																								
h'F2	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	250
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									
	CNT										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
foE	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
h'E	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
foEs	MED	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible] AUTOMATIC. [illegible]

TABLE 77

LULEA, SWEDEN (65.6N, 22.1E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	44	44	44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									
	CNT										[illegible]	[illegible]	[illegible]	[illegible]											
	UQ																								
	LQ																								
h'F	MED	345	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]											
foE	MED						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	CNT						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]				
h'E	MED						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT						[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	19

SWEEP 0.65 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC. SEPTEMBER, 1960

TABLE 78

PARAMARIBO, SURINAM (5.8N, [illegible]) TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	103
	LQ	87	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	91	86
h'F2	MED											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
	CNT												[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]		
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	275	300
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	23
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	310	[illegible]	[illegible]	[illegible]	265	[illegible]	275	275	270	[illegible]	[illegible]	255	260
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25	[illegible]	[illegible]	21	[illegible]	21	[illegible]	18	21	[illegible]	25	25	21	22
	UQ																								
	LQ																								
foF1	MED													[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	540	[illegible]				
	CNT														[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
foE	MED											210	[illegible]	360	[illegible]	[illegible]	[illegible]	410	400	390	370	310	260	F 150	
	CNT											23	22	[illegible]	[illegible]	[illegible]	[illegible]	4	5	8	[illegible]	15	11	8	
h'E	MED											F	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	100	100	100	[illegible]	100		
	CNT											22	22		[illegible]	[illegible]	[illegible]	[illegible]	8	[illegible]	[illegible]	[illegible]	11	[illegible]	
foEs	MED																								
	CNT																								

SWEEP 1.4 MC TO 20.0 MC IN 40 SECONDS. AUGUST, 1960

TABLE [illegible]

[illegible] TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	58	[illegible]	52	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	74	71	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	71	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	26	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	77	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	77	[illegible]	[illegible]	[illegible]	71
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	CNT					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	UQ					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	LQ					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
h'F	MED	288	[illegible]	[illegible]	[illegible]	288	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	315	318	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	275	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]						
foE	MED					185	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	CNT					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7			
h'E	MED					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	CNT					[illegible]	[illegible]	[illegible]	28	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
foEs	MED	18	13	17	[illegible]	[illegible]	[illegible]	33	37	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	28	28	28	28	28	28	28	28	28	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.0 MC TO 25.0 MC IN 3 MINUTES. JULY, 1960

TABLE [illegible]

PARAMARIBO, SURINAM ([illegible]) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	124	[illegible]	[illegible]	[illegible]	[illegible]	107
	CNT	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18	[illegible]	[illegible]	21	[illegible]
	UQ	114	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	135	[illegible]	[illegible]	[illegible]	113	120
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	117	[illegible]	[illegible]	104	105	87
h'F2	MED													[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	375	365	[illegible]			
	CNT													[illegible]	[illegible]	8	14	[illegible]	[illegible]	17	13	[illegible]			
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	235	255	300	350
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8	10	12	12	15	16
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	265	265	260	255	260	255
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8	17	18	18	15	11	10
	UQ																								
	LQ																								
foF1	MED													[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	CNT														[illegible]	[illegible]	[illegible]	[illegible]	8	[illegible]	[illegible]	[illegible]			
foE	MED											[illegible]	[illegible]	[illegible]	[illegible]	400	[illegible]	[illegible]	400	[illegible]	370	[illegible]	F 260		
	CNT											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	12	14	9	[illegible]	[illegible]	
h'E	MED											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	115	[illegible]	110	105	105		
	CNT											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13	12	9	2	3	
foEs	MED																								
	CNT																								

SWEEP 1.4 MC TO 20.0 MC IN 40 SECONDS. JULY, 1960

PARAMARIBO, SURINAM

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	114	122	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	20	22	25	24	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	132	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	74	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	88	83	84	74	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]			[illegible]
h'F2	MED												[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
	CNT												[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	255	265	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	24	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	
	UQ																								
	LQ																								
foF1	MED												[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	CNT												[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
foE	MED										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
	CNT										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
h'E	MED										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
	CNT										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
foEs	MED																								
	CNT																								

SWEEP 1.4 MC TO 20.0 MC IN 40 SECONDS. MAY, 1960

PORT LOCKROY, ANTARCTICA — TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26	24	[illegible]	[illegible]	25
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	23	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	250	245	240
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	19	19
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				75			80
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				1			1
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]			[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	28	27	[illegible]	28

SWEEP 0.67 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC. MAY, 1960

GARCHY, FRANCE

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
foE	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
h'E	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP APRIL, 1960

GARCHY, FRANCE

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF	MED																								
	CNT																								
foE	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
h'E	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP MARCH, 1960

TABLE 85

PARAMARIBO, SURINAM (5.8N, 55.2W) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11
foF2	MED	136	136	130	129	129	118	86	67	57	53	71	98
	CNT	10	12	14	16	16	16	15	14	16	16	18	18
	UQ	144	155	156	140	145	130	103	76	68	61	74	105
	LQ	126	121	118	115	109	97	68	57	49	47	66	93
h'F2	MED												
	CNT												
	UQ												
	LQ												
h'F	MED	260	250	250	255	250	230	230	220	250	250	250	240
	CNT	19	19	19	19	19	14	19	17	17	17	17	18
	UQ												
	LQ												
M(3000)F2	MED	275	285	285	290	315	325	320	320	310	330	325	325
	CNT	1[illegible]	12	14	16	16	16	15	14	15	16	18	18
	UQ												
	LQ												
foF1	MED												
	CNT												
foE	MED										F	200	290
	CNT										5	5	7
h'E	MED										F	F	115
	CNT										6	6	9
foEs	MED												
	CNT												

HOUR		12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	117	129	132	136	142	143	140	139	139	140	136	134
	CNT	19	19	18	18	17	17	17	18	19	19	[illegible]	12
	UQ	128	134	135	143	149	149	148	143	145	148	145	140
	LQ	110	124	130	128	131	136	133	133	135	131	126	126
h'F2	MED	260	260	275	300	300	300	330	350	350	310		
	CNT	11	13	15	10	11	12	10	8	4	4		
	UQ												
	LQ												
h'F	MED	230	220	220	240		285	255	235	240	250	265	290
	CNT	19	14	8	4		2	7	14	17	19	19	19
	UQ												
	LQ												
M(3000)F2	MED	310	310	305	295	290	285	275	275	275	280	270	275
	CNT	19	14	18	18	17	17	17	18	1[illegible]	19	15	12
	UQ												
	LQ												
foF1	MED												
	CNT												
foE	MED	350	380	400		400	410	380	360	300	230		
	CNT	15	14	6		[illegible]	[illegible]	4	6	7	5	8	
h'E	MED	110	110	110	105	110	100	110	110	125	115	F	
	CNT	14	11	11	8	4	8	9	10	11	9	13	
foEs	MED												
	CNT												

SWEEP 1.4 MC TO 20.0 MC IN 40 SECONDS. MARCH, 1960

TABLE 86

TRELEW, ARGENTINA (43.2S, 65.3W) TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11
foF2	MED	100	95	88	90	90	80	91	U 100	D 105	D 106		108
	CNT	2	2	3	3	3	3	3	3	3	2		1
	UQ												
	LQ												
h'F2	MED												470
	CNT												1
	UQ												
	LQ												
h'F	MED	330	360	360	3[illegible]	290	U 400	U 300	285	270			
	CNT	4	3	5	3	2	3	3	3	3			
	UQ												
	LQ												
M(3000)F2	MED	230	240	260	260	250	230	260	270	260			
	CNT	2	2	3	3	3	[illegible]	3	3	2			
	UQ												
	LQ												
foF1	MED										810		
	CNT										1		
foE	MED						200	310	350				
	CNT						[illegible]	3	1				
h'E	MED							125	120	119	110		115
	CNT							[illegible]	2	3	2		[illegible]
foEs	MED												
	CNT												

HOUR		12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED			115		1[illegible]8	108	U 124	102	U 100	87	92	U 97
	CNT			1		2	4	2	6	3	3	3	5
	UQ												
	LQ												
h'F2	MED					220							
	CNT					1							
	UQ												
	LQ												
h'F	MED						280	290	290	290	340	350	350
	CNT						1	3	6	5	5	6	5
	UQ												
	LQ												
M(3000)F2	MED							U 275	270	270	240	U 240	U 240
	CNT							2	2	2	2	3	4
	UQ												
	LQ												
foF1	MED												
	CNT												
foE	MED						430	340					
	CNT						1	1					
h'E	MED			115		U 111	116	115	U 139				
	CNT			[illegible]		3	4	3	1				
foEs	MED												
	CNT												

SWEEP 1.3 MC TO 18.0 MC IN 30 SECONDS. MARCH, 1960

TABLE 87

PARAMARIBO, SURINAM (5.8N, 55.2W) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11
foF2	MED	112	U 119	115	117	117	10[illegible]	78	62	48	48	71	106
	CNT	2	4	7	10	12	[illegible]	14	19	19	20	22	21
	UQ			126	125	126	112	87	67	57	59	83	114
	LQ			113	107	95	85	63	48	41	41	62	92
h'F2	MED												265
	CNT												2
	UQ												
	LQ												
h'F	MED	265	250	250	250	225	220	215	225	250	250	250	245
	CNT	23	25	25	25	24	24	24	24	24	24	24	23
	UQ												
	LQ												
M(3000)F2	MED	U 270	U 265	295	295	315	310	310	310	285	290	310	320
	CNT	2	4	7	10	11	1[illegible]	14	19	19	20	22	21
	UQ												
	LQ												
foF1	MED												
	CNT												
foE	MED										F 190	200	300
	CNT										2	20	17
h'E	MED										F	150	110
	CNT										2	20	19
foEs	MED												
	CNT												

HOUR		12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	114	125	134	137	143	140	134	135	131	131	129	128
	CNT	22	23	20	17	18	16	16	15	10	10	8	6
	UQ	134	135	139	14[illegible]	149	144	148	146	142	137	137	136
	LQ	117	127	126	128	127	129	133	123	124	125	126	116
h'F2	MED	275	280	295	320	320	320	350	350	340	335		
	CNT	1[illegible]	15	16	17	17	15	1	15	7	[illegible]		
	UQ												
	LQ												
h'F	MED	235	235	240	255	255		245	245	250	250	275	300
	CNT	23	18	6	4	1		4	15	22	21	25	25
	UQ												
	LQ												
M(3000)F2	MED	310	305	290	285	285	280	270	270	270	270	275	275
	CNT	22	23	20	18	18	16	16	15	10	10	8	6
	UQ												
	LQ												
foF1	MED		650		690	730	640	720	800				
	CNT		1		2	5	1	4	3				
foE	MED	360	380	410	440	410	400	380	370	340	260		
	CNT	21	15	[illegible]	1	[illegible]	[illegible]	8	11	10	11		
h'E	MED	110	110	F 115	F 115	F 110	110	105	100	105	120		
	CNT	20	17	12	8	10	9	10	15	14	11		
foEs	MED												
	CNT												

SWEEP 1.4 MC TO 20.0 MC IN 40 SECONDS. FEBRUARY, 1960

TABLE 88

SINGAPORE, BRITISH MALAYA (1.3N, 103.8E) TIME 105.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11
foF2	MED	102	98	90	87	80	75	58	89	101	108	112	118
	CNT	24	26	26	26	26	26	27	29	29	29	28	26
	UQ												
	LQ												
h'F2	MED												
	CNT												
	UQ												
	LQ												
h'F	MED												
	CNT												
	UQ												
	LQ												
M(3000)F2	MED	280	270	280	290	310	315	295	310	285	250	225	210
	CNT	23	26	26	26	26	26	27	29	29	29	28	25
	UQ												
	LQ												
foF1	MED												
	CNT												
foE	MED		100		95	110		120	230	315	360	390	410
	CNT		1		1	2		3	27	27	27	26	19
h'E	MED												
	CNT												
foEs	MED	G	G	G	G	G	G	F 12	E 23	E 32	E 36	F 39	F 41
	CNT	9	13	15	14	12	12	29	29	29	29	28	26

HOUR		12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	118	119	121	126	128	124	130	128	125	U 130	U 136	U 118
	CNT	27	28	28	28	28	28	29	28	24	17	21	24
	UQ												
	LQ												
h'F2	MED												
	CNT												
	UQ												
	LQ												
h'F	MED												
	CNT												
	UQ												
	LQ												
M(3000)F2	MED	210	210	215	215	225	225	220	215	225	255	280	275
	CNT	26	28	27	28	28	28	27	25	16	12	15	21
	UQ												
	LQ												
foF1	MED												
	CNT												
foE	MED	415	410	400	370	330	280	180		125	125	140	
	CNT	16	16	19	21	22	20	7		1	1	1	
h'E	MED												
	CNT												
foEs	MED	F 42	F 41	F 40	F 37	E 33	F 28	F 18	G	21	30	30	30
	CNT	27	27	27	28	28	28	29	27	11	12	11	7

SWEEP 0.67 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC. FEBRUARY, 1960

TABLE 89

TRELEW, ARGENTINA (43.2S, 65.3W) TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	98	103	97	98	91	90	95	105	108	110	108	110	120	[illegible]	119	110	112	110	112	110	[illegible]	102	104	102
	CNT	9	6	7	9	9	10	10	5	6	[illegible]	2	3	1	[illegible]	4	3	4	9	7	6	[illegible]	[illegible]	4	6
	UQ																								
	LQ																								
h'F2	MED											350	360	350	350	355	330	340	310	290					
	CNT											[illegible]	1	1	1	2	2	3	[illegible]	[illegible]					
	UQ																								
	LQ																								
h'F	MED	385	375	350	330	310	360	280	265	265	270					250		250	270	280	295	310	300	360	340
	CNT	7	7	7	8	9	10	11	7	7	2					1		2	[illegible]	[illegible]	4	4	[illegible]	7	8
	UQ																								
	LQ																								
M(3000)F2	MED	240	235	240	245	240	240	265	280	270								270			280	260	240	240	255
	CNT	8	5	5	9	[illegible]	[illegible]	6	4	3								[illegible]			3	2	4	4	5
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED						180	280	340										410	350	310	220			
	CNT						2	10	[illegible]										2	[illegible]	[illegible]	1			
h'E	MED							16	115	110	109	115	110												
	CNT							6	6	10	5	3	4												
foEs	MED																								
	CNT																								

SWEEP 1.3 MC TO 18.0 MC IN 30 SECONDS. FEBRUARY, 1960

TABLE 90

SODANKYLA, FINLAND (67.4N, 26.6E) TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED			[illegible]	[illegible]	[illegible]	54	48	44	39	[illegible]	64	86	103	102	[illegible]	101	[illegible]	73	62		38	46	41	44
	CNT			[illegible]	1	1	4	2	4	6	13	19	27	29	25	24	16	14	11	4		2	2	2	2
	UQ						59		49	53	67	72	101	111	118	111	116	113	103	81					
	LQ						44		40	35	45	59	79	92	93	[illegible]	90	75	61	45					
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	340	360	355	[illegible]	[illegible]	310	290	275	270	250	245	235	235	230	240	222	225	223	250	275	305	300	320	340
	CNT	[illegible]	25	27	[illegible]	29	29	[illegible]	3	31	31	31	31	31	31	31	30	29	30	28	26	28	27	25	24
	UQ	395	398	395	[illegible]	365	325	315	300	295	270	260	250	245	[illegible]	[illegible]	235	[illegible]	275	328	315	340	360	373	392
	LQ	[illegible]	323	320	[illegible]	308	295	275	255	[illegible]	245	235	[illegible]	230	[illegible]	220	[illegible]	220	215	228	250	270	270	282	305
M(3000)F2	MED			245	[illegible]	[illegible]	273	[illegible]	273	290	[illegible]	295	300	310	310	310	310	310	308	305		285	280	258	270
	CNT			1	[illegible]	[illegible]	4	2	4	5	[illegible]	[illegible]	25	27	25	24	17	15	12	4		2	2	2	2
	UQ						278		275	290	295	300	310	315	315	315	317	315	315	312					
	LQ						263		262	275	285	[illegible]	295	300	300	302	305	310	297	300					
foF1	MED																								
	CNT																								
foE	MED									[illegible]	F	F	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	F	F						
	CNT									[illegible]	[illegible]	23	[illegible]	[illegible]	[illegible]	8	16	14	3						
h'E	MED									F	[illegible]	F	[illegible]	[illegible]	145	[illegible]	[illegible]	F	F						
	CNT									1	11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3						
foEs	MED	[illegible]	42	40	40	40	36	39	35	35	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	42	41	40	39	39	35	35	38	40	39
	CNT	31	31	31	31	31	31	31	31	31	31	30	[illegible]	31	30	31	30	31	30	30	30	31	31	31	31

SWEEP [illegible].4 MC TO 22.[illegible] MC IN 8 MINUTES, AUTOMATIC. JANUARY, 1960

TABLE 91

SINGAPORE, BRITISH MALAYA (1.3N, 103.8E) TIME 105.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	100	91	79	70	68	59	57	85	95	98	105	112	116	118	118	119	121	124	125	120	117	114	110	[illegible]
	CNT	28	29	28	29	28	27	29	27	29	[illegible]	28	27	[illegible]	28	29	28	28	25	28	28	25	26	25	28
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	280	275	280	285	[illegible]	[illegible]	[illegible]	[illegible]	275	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	270
	CNT	26	29	28	29	27	[illegible]	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	[illegible]	27
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED				[illegible]	130	120	140	[illegible]	[illegible]	[illegible]	[illegible]	415	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					[illegible]
	CNT				1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]					[illegible]
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18	[illegible]	25	32	37	[illegible]	42	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	9	7	8	11	[illegible]	[illegible]	27	[illegible]	[illegible]	28	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17	21	[illegible]	[illegible]

SWEEP 0.67 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC. JANUARY, [illegible]

TABLE 92

TRELEW, ARGENTINA (43.2S, 65.3W) TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	98	[illegible]	110	109	[illegible]	[illegible]	114	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	100	100	94	100	103	106
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	8	[illegible]	[illegible]	[illegible]	[illegible]	4		4	[illegible]		[illegible]	[illegible]	4	[illegible]	[illegible]	2	3	2	5	4
	UQ																								
	LQ																								
h'F2	MED										[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT										[illegible]	1	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	3	2					
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]	260	305	340	380	400	385
	CNT	[illegible]	8	11	[illegible]	[illegible]	8	8	[illegible]	[illegible]	[illegible]	1						1	4	6	[illegible]	5	3	4	6
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	225	[illegible]	[illegible]	[illegible]	[illegible]	250	[illegible]		[illegible]	[illegible]					[illegible]	[illegible]	[illegible]	[illegible]	255	240	225	220	230
	CNT	[illegible]		[illegible]	[illegible]	8	[illegible]	[illegible]	[illegible]			1					[illegible]	[illegible]	[illegible]	3	2	3	2	4	2
	UQ																								
	LQ																								
foF1	MED										[illegible]			[illegible]			[illegible]								
	CNT													[illegible]											
foE	MED					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]	310	[illegible]	[illegible]		
	CNT					[illegible]	[illegible]		[illegible]	[illegible]										3	1	[illegible]	1		
h'E	MED						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		111	111	111	115	[illegible]	111				
	CNT										[illegible]	[illegible]						7	8	8	1				
foEs	MED																								
	CNT																								

SWEEP [illegible].3 MC TO 18.0 MC IN 30 SECONDS. JANUARY, 1960

[illegible] STATION, ANTARCTICA [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	59	60	59	57	60	60	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			11	9	16	17	18	18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	D 200	D 210	U 225	C 210	230	240	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11	16	14	15	22	18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	255	250	230	235	240				235	240	250	260	265	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]		10	5	6	3	4	3	5	8	8	12	6		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED	[illegible]	[illegible]	[illegible]	D 480	D 470	D 480	D 490	D 480	D 450	D 420	D 420	[illegible]	[illegible]										[illegible]	[illegible]
	CNT	[illegible]	[illegible]		11	12	8	5	6	13	16	13												[illegible]	[illegible]
foE	MED	[illegible]	[illegible]	[illegible]	D 350	D 350	D 350		D 340	D 345	325	310	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]			13	11	5	4	6	12	10	13	[illegible]				[illegible]		[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
h'E	MED	[illegible]	[illegible]	100	100	100	100	105	100	100	100	100	105	110	115	105	110	115	120	120	110	105	110	105	100
	CNT	[illegible]	[illegible]	25	24	21	15	15	17	17	18	20			[illegible]				[illegible]		[illegible]	[illegible]			
foEs	MED																								
	CNT																								

[illegible] SECONDS. JANUARY, 1960

[illegible] TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]			[illegible]		[illegible]			[illegible]									[illegible]		[illegible]		[illegible]
	UQ																								
	LQ																								
h'F2	MED										[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]						
	CNT																								
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT		[illegible]		[illegible]		[illegible]		[illegible]	[illegible]	[illegible]							[illegible]		[illegible]		[illegible]		[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]											[illegible]	[illegible]	245	250	245
	CNT	[illegible]		[illegible]																	[illegible]	[illegible]	[illegible]		5
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED						[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	CNT						[illegible]		[illegible]	[illegible]									[illegible]	[illegible]	[illegible]				
h'E	MED						177	145	119	117	111	115	119	111	111	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	CNT						[illegible]	[illegible]	[illegible]	[illegible]			[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
foEs	MED																								
	CNT																								

SWEEP 1.3 M[illegible] TO 18.0 MC IN 30 SECONDS. OCTOBER, 1959

[illegible] TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]							
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	270	260	265	240	240	230	230	225	235	230	235	240	245	270	290	295	310	300	315	325
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	13	10	5	9	8	11	8	10	10	8	9	12	9	9	10	10	11	14	16	14
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT							[illegible]		[illegible]	[illegible]	[illegible]													
foE	MED					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
h'E	MED					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 20.0 MC IN 35 SECONDS. [illegible], 1959

DAKAR, [illegible] TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	86	88	94	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT				[illegible]	[illegible]	[illegible]		[illegible]	17	16	16	16	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED												365					[illegible]							
	CNT																								
	UQ																								
	LQ																								
h'F	MED	385	350	312	290	285	298	255	255	230	228	210	200	200	200	200	200	220	230	232	255	305	400	428	[illegible]
	CNT	4	7	5	7	11	14	14	17	17	14	13	12	11	11	10	11	14	15	14	16	18	18	16	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	240
	CNT		[illegible]		[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	CNT				[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
h'E	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	CNT								[illegible]	[illegible]					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]		
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	38	28	28	31
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14	15	16	17

SWEEP [illegible] MC TO 17.0 MC. JULY, 1959

TABLE 97

DJIBOUTI, FRENCH SOMALILAND (11.6N, 43.2E) TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED		83	78	63	61	63	71	94	106	[illegible]	[illegible]	112	112	113	114	108	[illegible]	113	116		88	77		66
	CNT		2	2	1	3	9	20	[illegible]	[illegible]	24	23	24	18	21	17	4	3	5	1		[illegible]	1		[illegible]
	UQ																								
	LQ																								
h'F2	MED							405						[illegible]		425		[illegible]							
	CNT							1						2		1		1							
	UQ																								
	LQ																								
h'F	MED	355	290	368	280	240	235	268	[illegible]	240	[illegible]	235	235	225	228	235	240	[illegible]	250	280	322	[illegible]	365	[illegible]	[illegible]
	CNT	5	3	4	[illegible]	11	15	28	28	29	[illegible]	17	19	15	14	19	21	[illegible]	[illegible]	25	30	4	4	5	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED		225	248	245	325	[illegible]	[illegible]	295	278	252	230	230	225	220	220	210	208	220	215		[illegible]			270
	CNT		1	2	[illegible]	[illegible]	[illegible]	[illegible]	19	[illegible]	24	22	24	18	[illegible]	17	4	4	5	1					1
	UQ																								
	LQ																								
foF1	MED							570					[illegible]	570		[illegible]		[illegible]							
	CNT							1					1	[illegible]											
foE	MED			[illegible]			[illegible]	[illegible]	278	330	[illegible]	[illegible]	[illegible]	420	420	410	[illegible]	[illegible]	310	24	[illegible]	[illegible]			
	CNT			[illegible]			3	24	24	29	[illegible]	[illegible]	8	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
h'E	MED			[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	CNT			1			3	23	[illegible]	12	8	[illegible]			[illegible]	3	[illegible]	[illegible]	3	[illegible]		[illegible]			
foEs	MED	22	22	22	22	21	[illegible]	[illegible]	42	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	84	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	31	[illegible]	[illegible]	3	[illegible]	[illegible]	8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.25 MC TO 20.0 MC. JULY, 1959

TABLE 98

TAHITI, SOCIETY IS. (17.7S, 149.3W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	90	74	72	[illegible]	[illegible]	[illegible]	[illegible]	88	112	[illegible]	136	134	128	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	145	136	[illegible]	142	[illegible]	95
	CNT	15	13	[illegible]	[illegible]	18	[illegible]	[illegible]	1	14	[illegible]	17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18	[illegible]	[illegible]	17	15
	UQ																								
	LQ																								
h'F2	MED										[illegible]	[illegible]	[illegible]	[illegible]	328	[illegible]	[illegible]								
	CNT										2	4	[illegible]	[illegible]	[illegible]	3	[illegible]								
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	248	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	218	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	250	245	[illegible]	[illegible]	[illegible]
	CNT	21	[illegible]	[illegible]	21	[illegible]	[illegible]	[illegible]	[illegible]	23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	325	[illegible]	315	[illegible]	[illegible]	295	[illegible]	[illegible]	262	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	315	300
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	18	18	[illegible]	[illegible]	13	18	[illegible]	22	17	[illegible]	[illegible]	[illegible]	19	15	14	14	[illegible]	[illegible]	11	14
	UQ																								
	LQ																								
foF1	MED													[illegible]	[illegible]	[illegible]	[illegible]								
	CNT													[illegible]	[illegible]		[illegible]								
foE	MED	[illegible]	F	F	[illegible]	F	F	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	230	F	F	F	F	F	F
	CNT	[illegible]	[illegible]	8	3	[illegible]	[illegible]	16	[illegible]	18	[illegible]	[illegible]	13	[illegible]	[illegible]	[illegible]	[illegible]	12	[illegible]	3	2	5	[illegible]	2	4
h'E	MED	[illegible]	[illegible]	F	[illegible]	[illegible]	[illegible]	[illegible]	128	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	115	125	F	F	F	F	F	F
	CNT	[illegible]	[illegible]	8	[illegible]	[illegible]	[illegible]	[illegible]	8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14	[illegible]	8	9	2	5	[illegible]	2	4
foEs	MED	[illegible]		23	[illegible]	24	24	28	29						[illegible]	[illegible]	[illegible]	37	[illegible]	[illegible]	[illegible]	31	31	[illegible]	25
	CNT	21	[illegible]	21	[illegible]	[illegible]	[illegible]	21	[illegible]	[illegible]	[illegible]	19	21	19	19	[illegible]	15	19	[illegible]	[illegible]	23	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.2 MC TO 17.0 MC. JULY, 1959

TABLE 99

TANANARIVE, MALAGASY REPUBLIC (18.8S, 47.5E) TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	37	81	[illegible]	117	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	102	[illegible]	89	67	54	48	45	35
	CNT	[illegible]	17	[illegible]	[illegible]	[illegible]	22	[illegible]	[illegible]	[illegible]	21	[illegible]	[illegible]	[illegible]	[illegible]	8	8	[illegible]	[illegible]	[illegible]	25	25	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT										1	[illegible]	[illegible]	2	[illegible]	[illegible]									
	UQ																								
	LQ																								
h'F	MED	[illegible]	302	[illegible]	275	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	23	22	[illegible]	22	22	[illegible]	23	[illegible]	21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	265	[illegible]	275	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	275	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	315	[illegible]
	CNT	17	[illegible]	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14	[illegible]	[illegible]	[illegible]	[illegible]	14	[illegible]	[illegible]	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED														[illegible]	[illegible]									
	CNT														3	1									
foE	MED	F	[illegible]	F	F	[illegible]	[illegible]	F	[illegible]	[illegible]	[illegible]	[illegible]	395	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]		[illegible]
	CNT	6	[illegible]	1	15	12	[illegible]	[illegible]	[illegible]	18		[illegible]	17	11	[illegible]	[illegible]			[illegible]				[illegible]		[illegible]
h'E	MED	F	F	F	[illegible]	[illegible]	[illegible]	F	125	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]		F
	CNT	7	[illegible]	[illegible]	15	12	[illegible]	23	[illegible]	18	[illegible]	9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						2		[illegible]
foEs	MED	21	22	21	22	22	[illegible]	22					[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28
	CNT	24	25	24	25	25	25	24	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.25 MC TO 20.0 MC.

TABLE 100

MAWSON, ANTARCTICA (67.6S, 62.9E) TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED							[illegible]	112	[illegible]	[illegible]	115	120	[illegible]	98	[illegible]									
	CNT			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7	10	[illegible]	8	[illegible]	[illegible]	[illegible]				1			
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									
	CNT			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]				1			
	UQ																								
	LQ																								
M(3000)F2	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	300	300									
	CNT			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8	5	[illegible]	1				1			
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 15 SECONDS. USCOMM-NBS-BL APRIL, 1959

*ENGINE ROOM DESTROYED BY FIRE. NO DATA FROM APRIL 3 TO 18, INCLUSIVE, A PREPONDERANCE OF EQUIPMENT FAILURE OTHER PARTS OF THE MONTH.

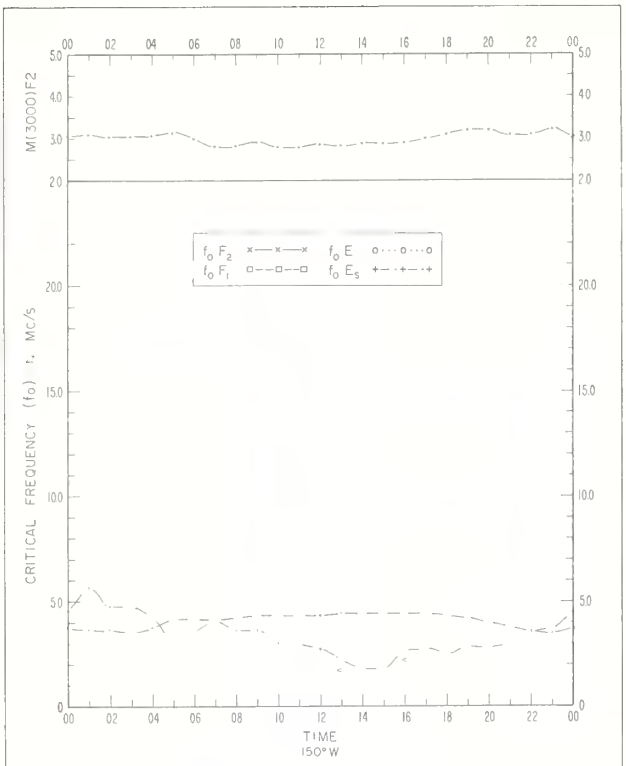

Fig 1. BARROW, ALASKA
71 3°N, 156 8°W
AUGUST 1963

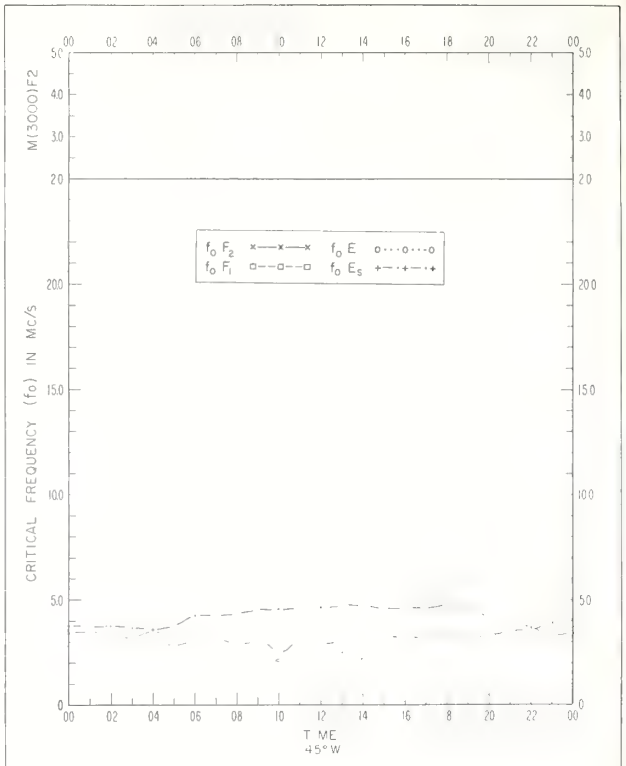

Fig. 2. NARSSARSSUAQ, GREENLAND
61 2°N, 45 4°W
JULY 1963

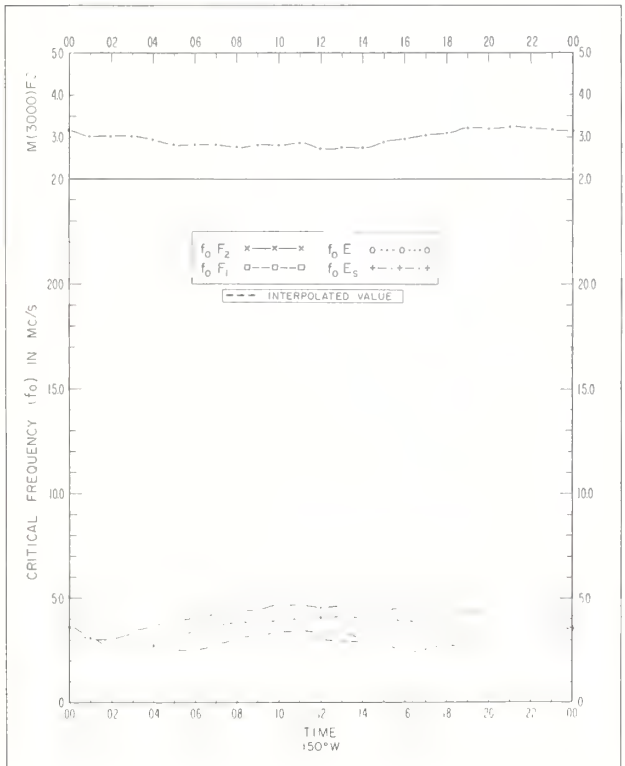

Fig 3. ANCHORAGE, ALASKA
61 2°N, 149 9°W
JULY 1963

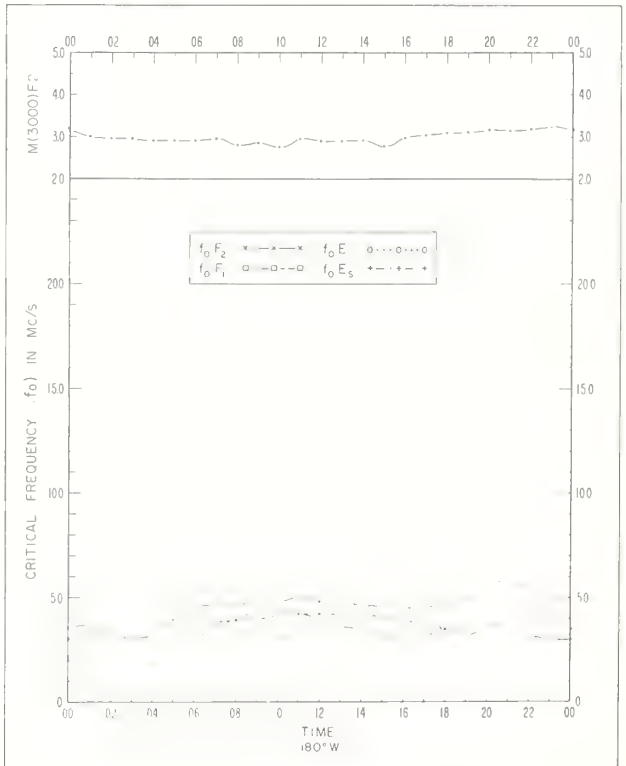

Fig. 4. ADAK, ALASKA
51 9°N, 176 6°W
JULY 1963

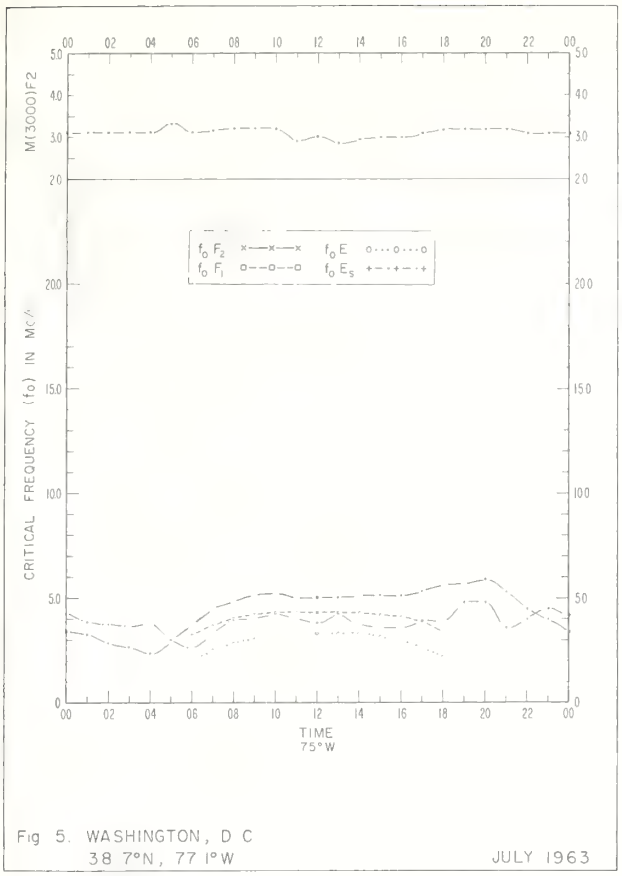

Fig 5. WASHINGTON, D C
38 7°N, 77 1°W
JULY 1963

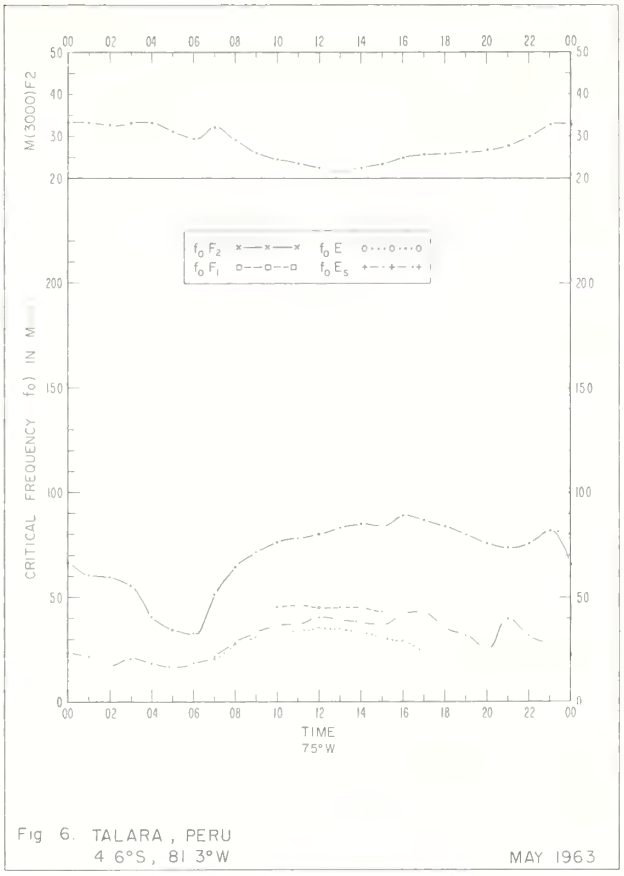

Fig 6. TALARA, PERU
4 6°S, 81 3°W
MAY 1963

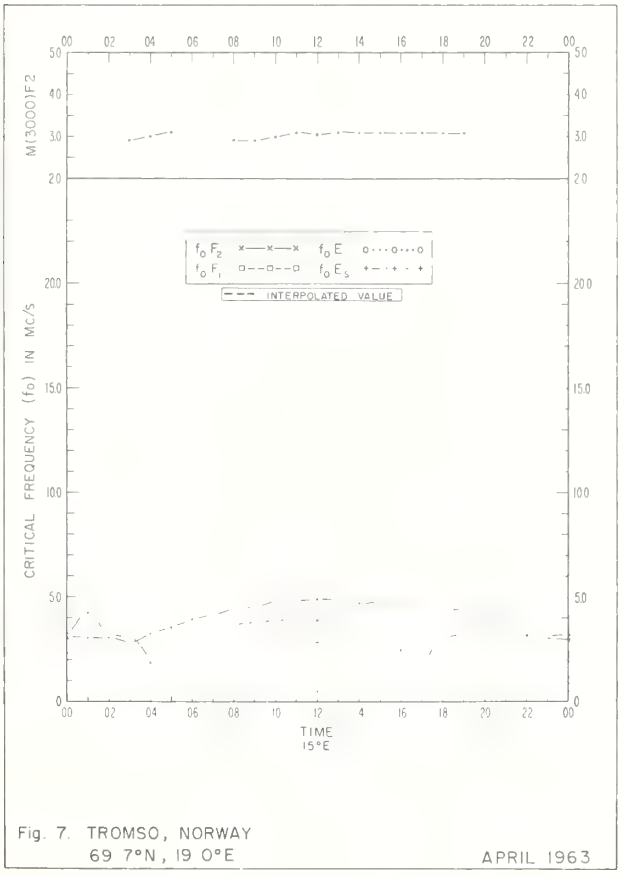

Fig. 7. TROMSO, NORWAY
69 7°N, 19 0°E
APRIL 1963

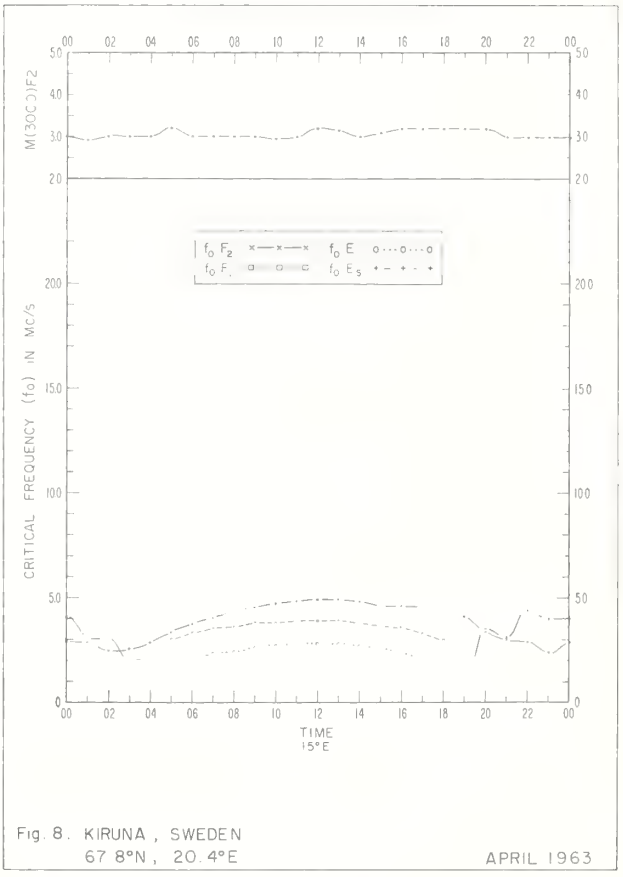

Fig. 8. KIRUNA, SWEDEN
67 8°N, 20 4°E
APRIL 1963

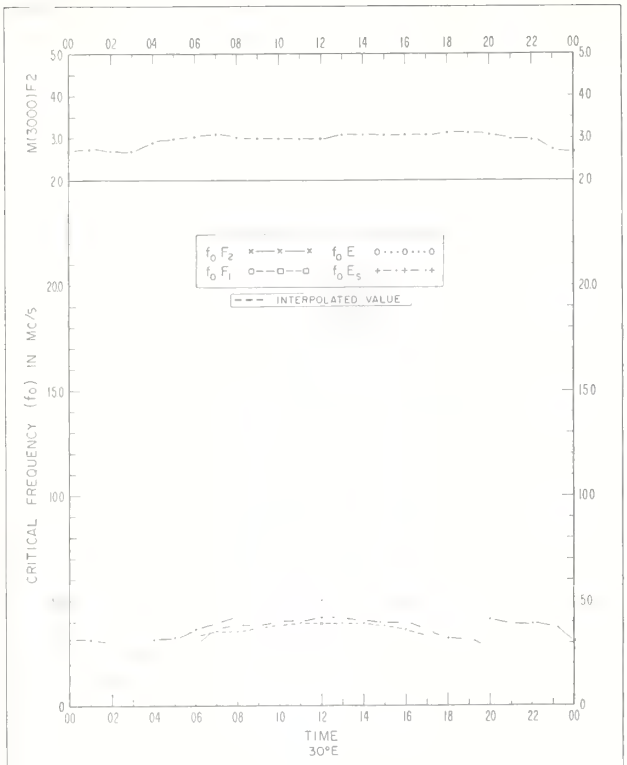

Fig 9. SODANKYLA, FINLAND
67 4°N, 26 6°E
APRIL 1963

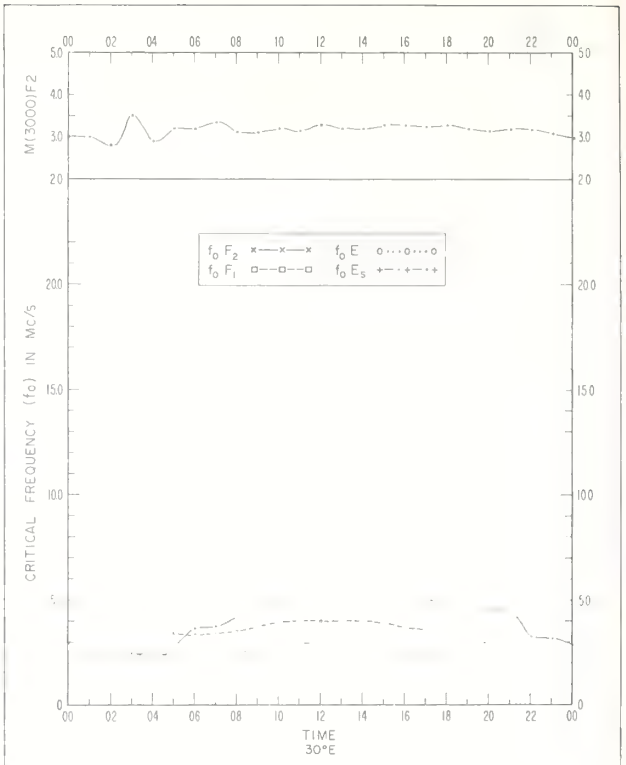

Fig 10 NURMIJARVI, FINLAND
60 5°N, 24 6°E
APRIL 1963

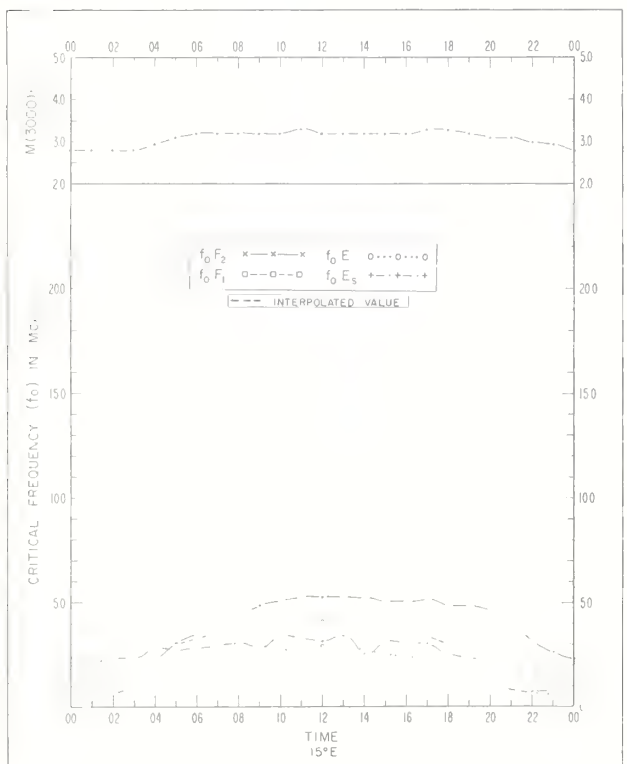

Fig 11 UPPSALA, SWEDEN
59 8°N, 17 6°E
APRIL 1963

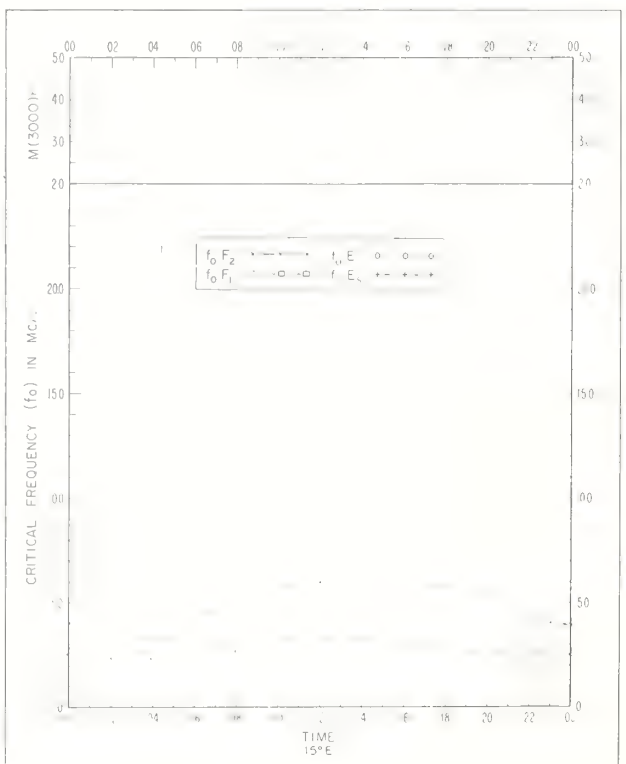

Fig 12 GRAZ, AUSTRIA
47 1°N, 15 5°E
APRIL 1963

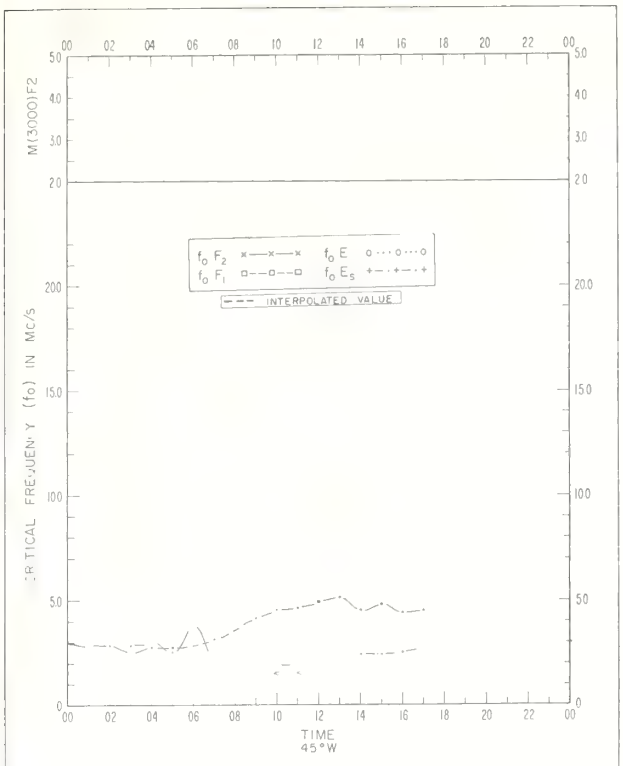

Fig 13 GODHAVN, GREENLAND
69 3°N, 53 5°W
MARCH 1963

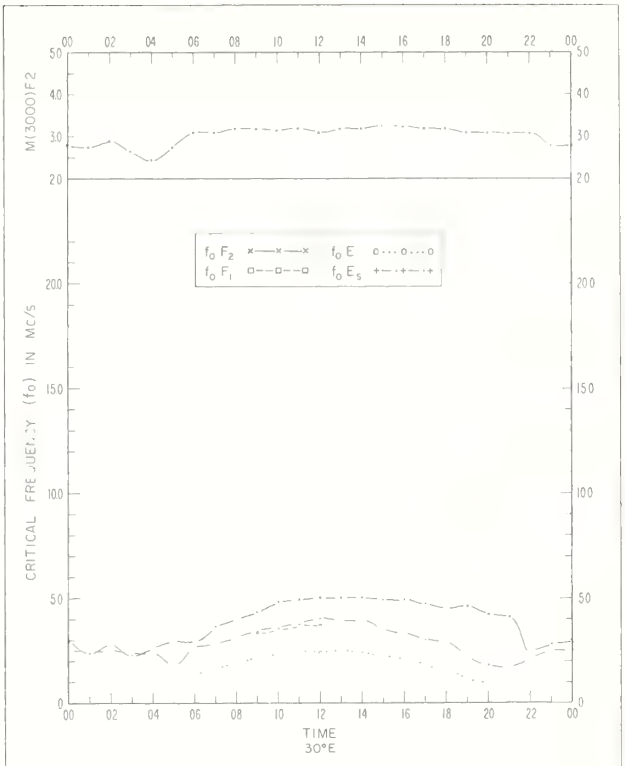

Fig 14 SODANKYLA, FINLAND
67 4°N, 26 6°E
MARCH 1963

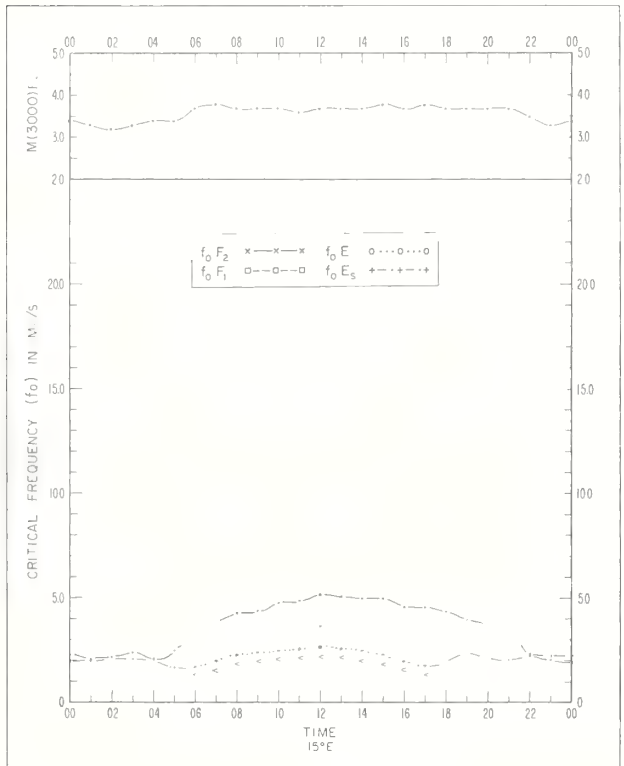

Fig 15. LULEA, SWEDEN
65 6°N, 22 1°E
MARCH 1963

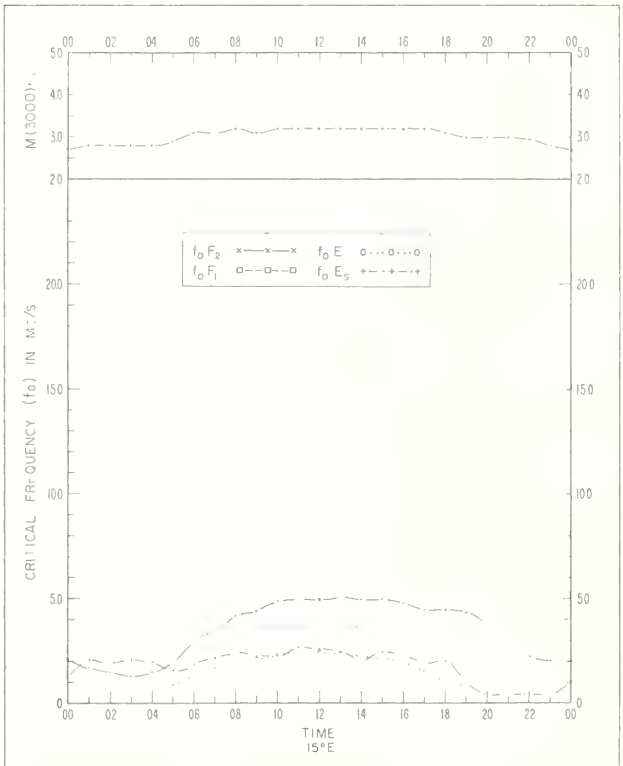

Fig 16 LYCKSELE, SWEDEN
64 7°N, 18 8°E
MARCH 1963

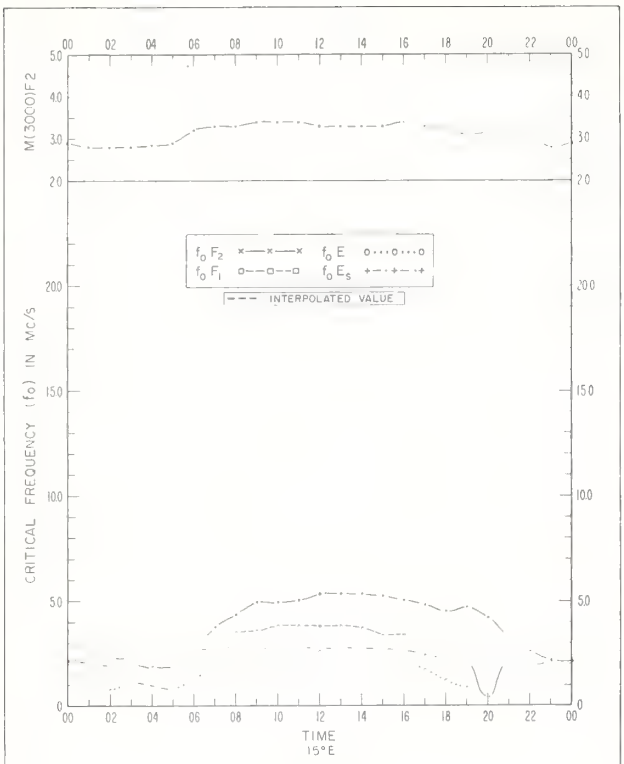

Fig. 17 UPPSALA, SWEDEN
59.8°N, 17.6°E
MARCH 1963

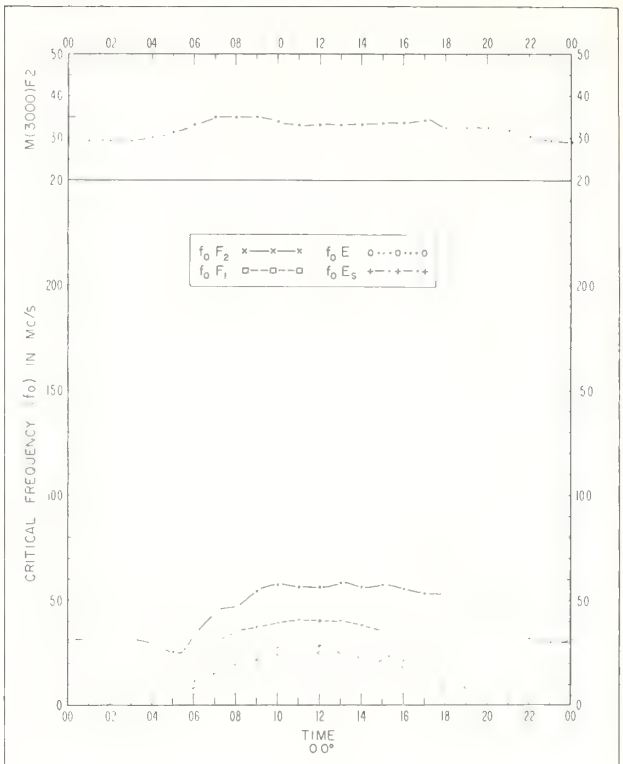

Fig 18 DOURBES, BELGIUM
50 1°N, 4.6°E
MARCH 1963

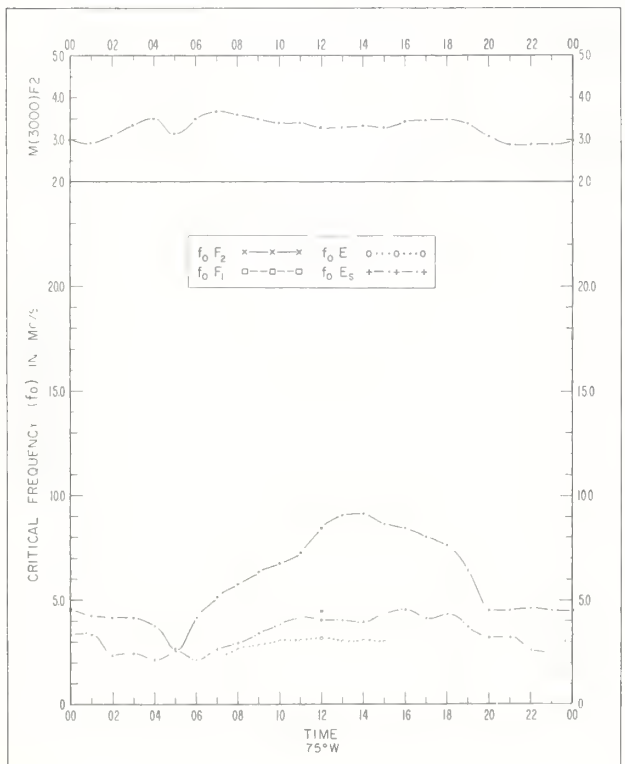

Fig 19. CONCEPCION, CHILE
36.6°S, 73.0°W
MARCH 1963

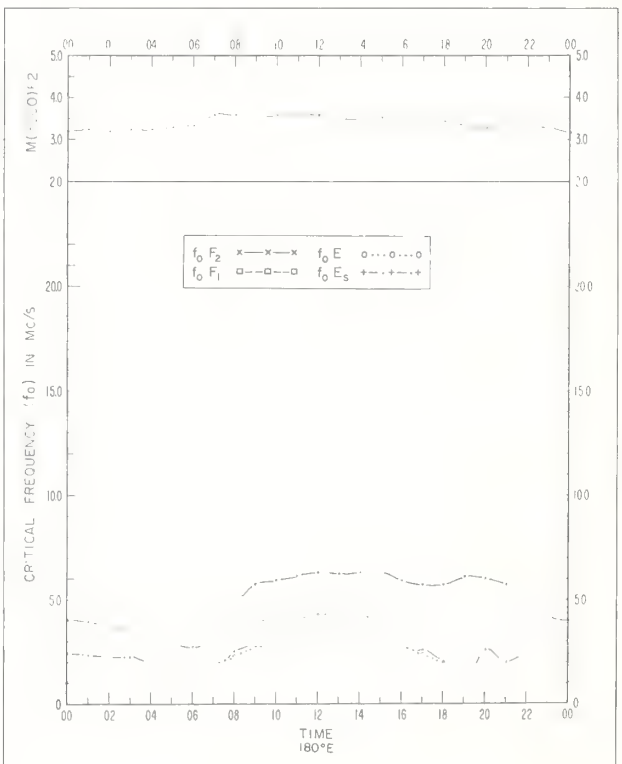

Fig. 20. GODLEY HEAD (CHRISTCHURCH), NEW ZEALAND
43.6°S, 172.8°E
MARCH 1963

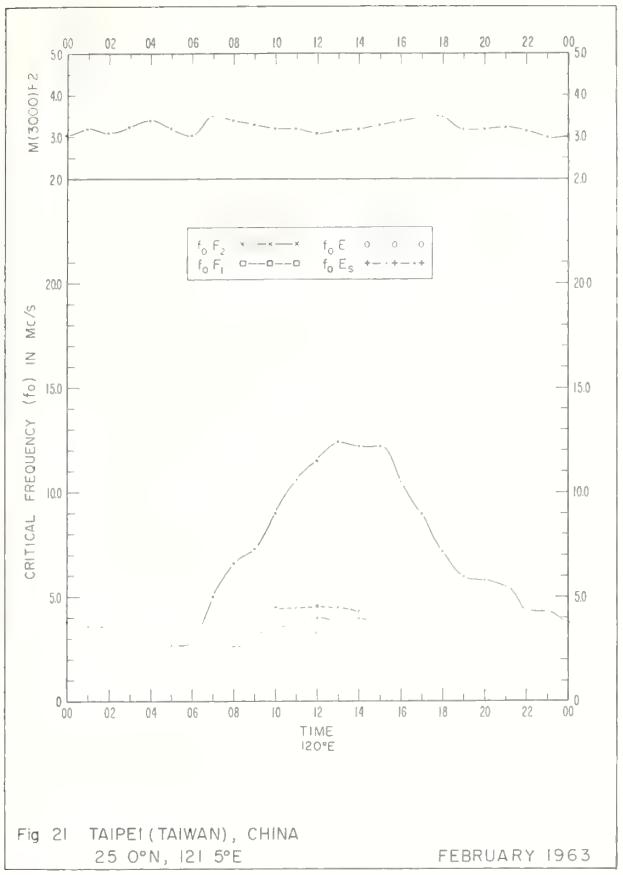

Fig 21 TAIPEI (TAIWAN), CHINA
25 0°N, 121 5°E FEBRUARY 1963

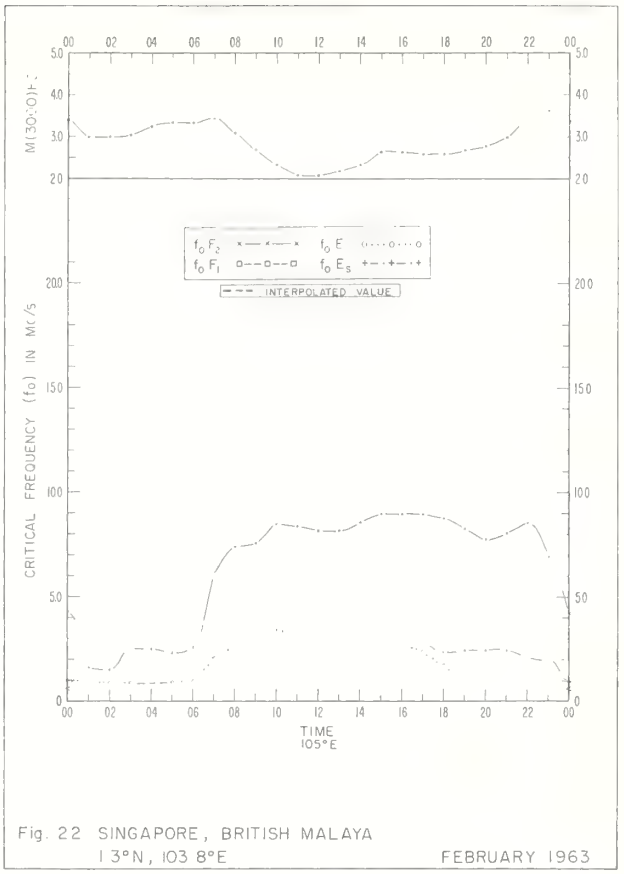

Fig. 22 SINGAPORE, BRITISH MALAYA
1 3°N, 103 8°E FEBRUARY 1963

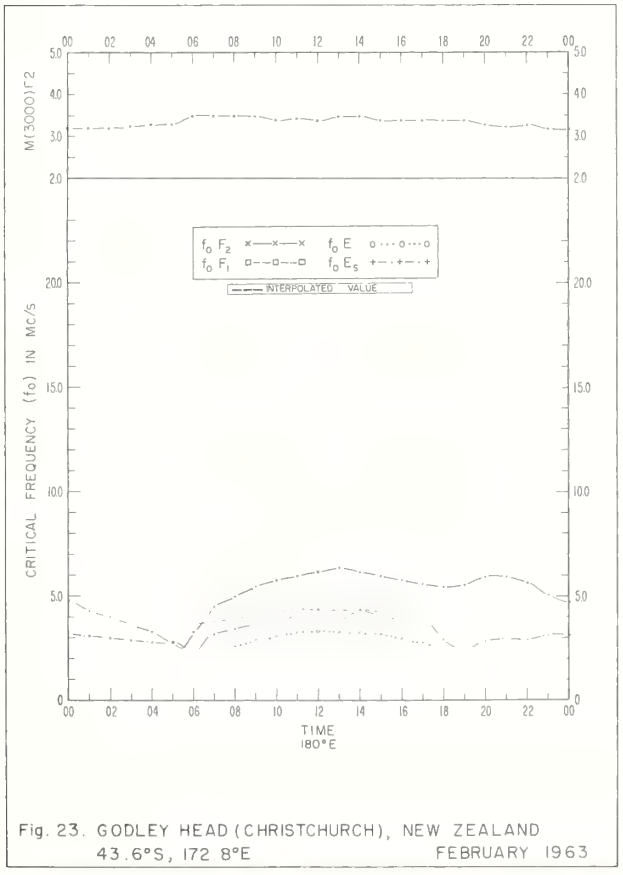

Fig. 23. GODLEY HEAD (CHRISTCHURCH), NEW ZEALAND
43.6°S, 172 8°E FEBRUARY 1963

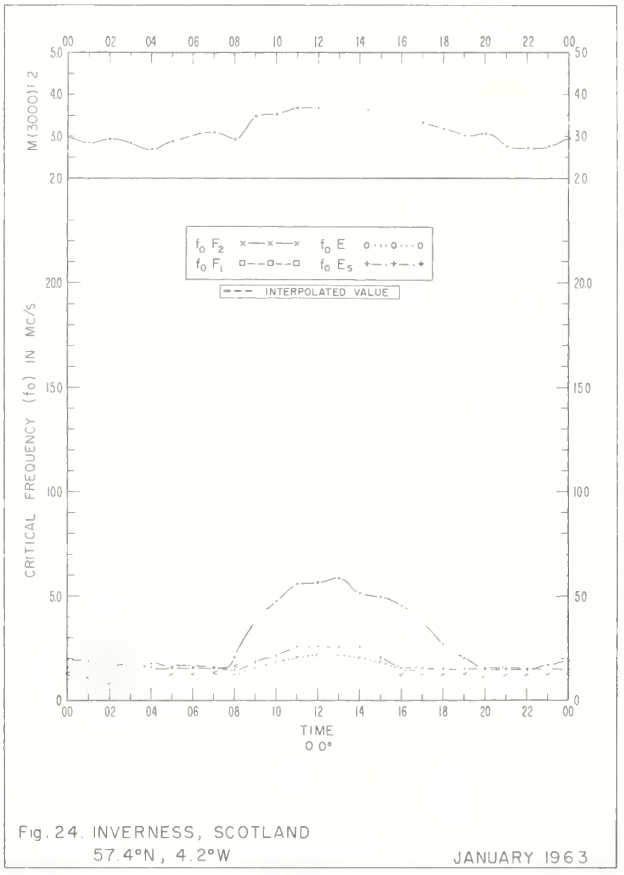

Fig. 24. INVERNESS, SCOTLAND
57.4°N, 4.2°W JANUARY 1963

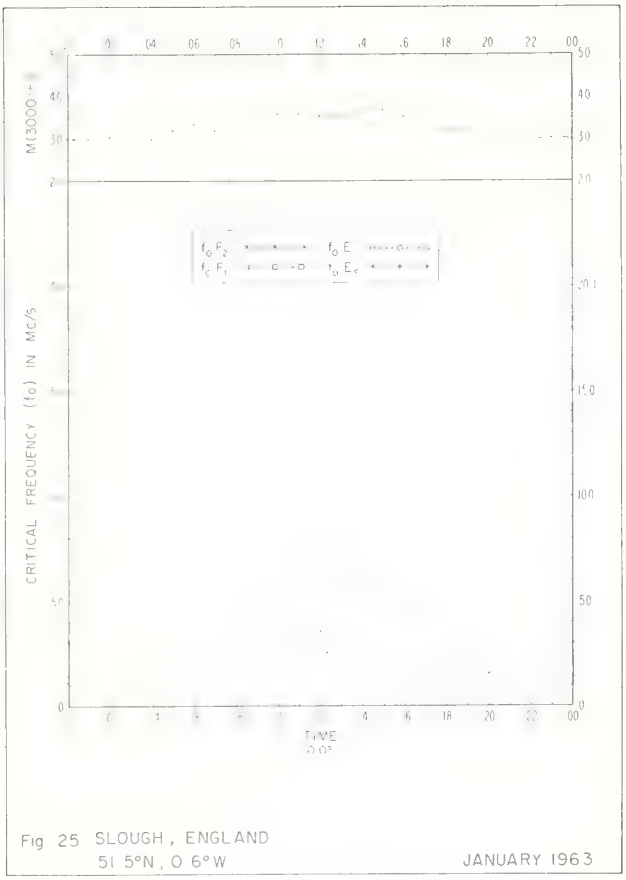

Fig. 25 SLOUGH, ENGLAND
51.5°N, 0.6°W
JANUARY 1963

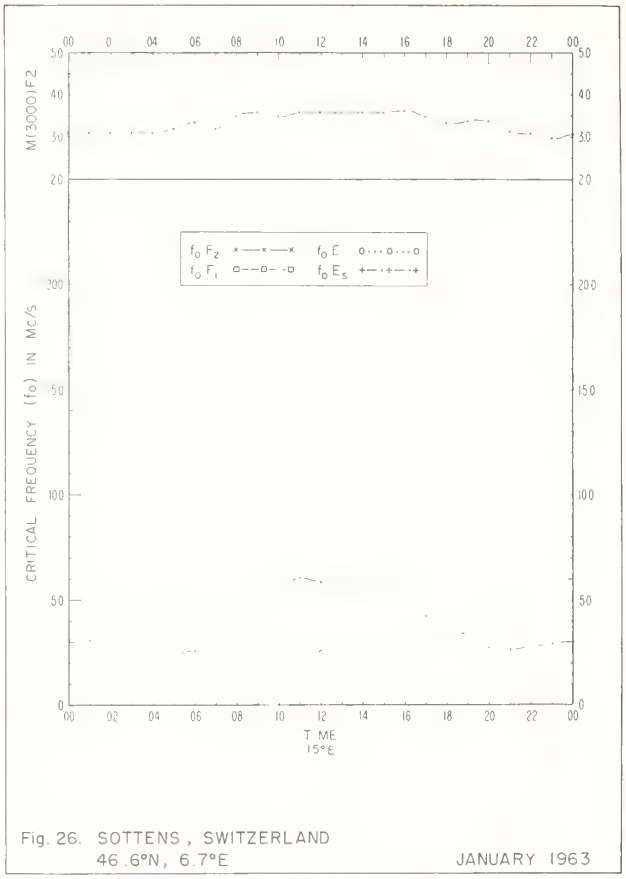

Fig. 26. SOTTENS, SWITZERLAND
46.6°N, 6.7°E
JANUARY 1963

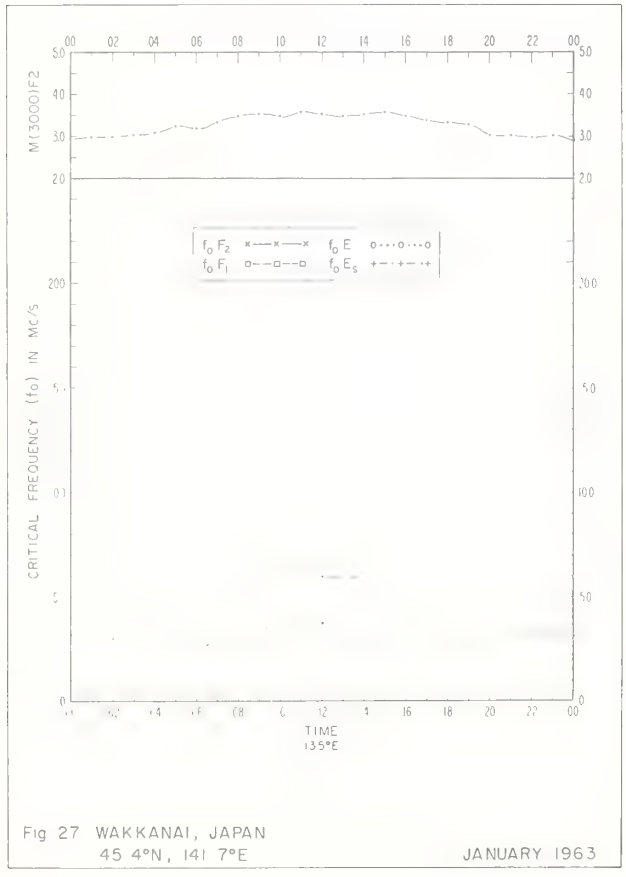

Fig 27 WAKKANAI, JAPAN
45.4°N, 141.7°E
JANUARY 1963

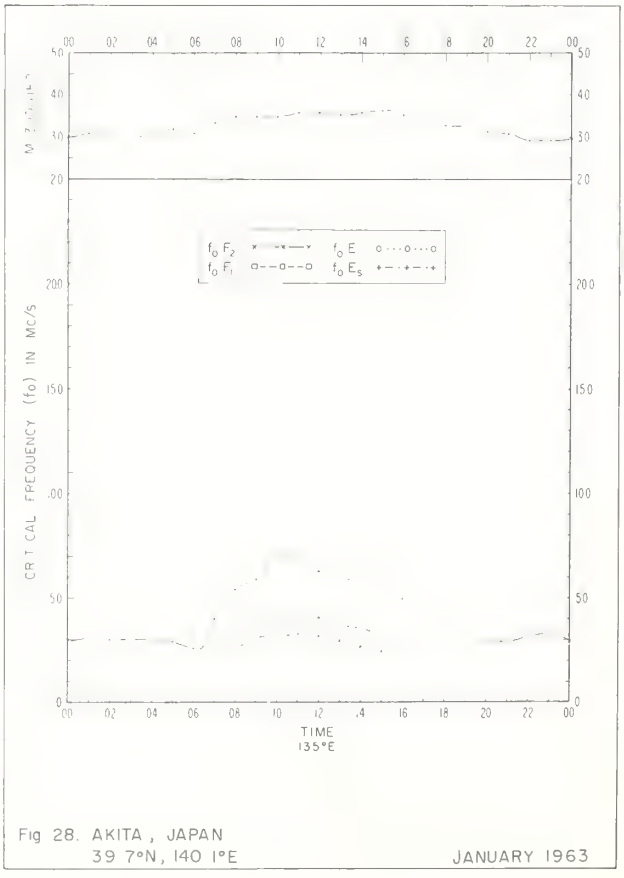

Fig 28. AKITA, JAPAN
39.7°N, 140.1°E
JANUARY 1963

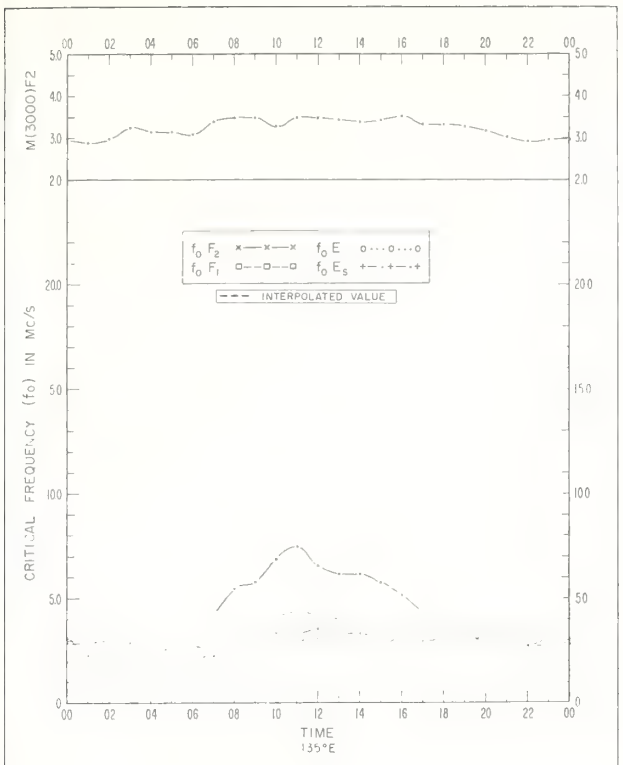

Fig 29. KOKUBUNJI, TOKYO, JAPAN
35.7°N, 139.5°E JANUARY 1963

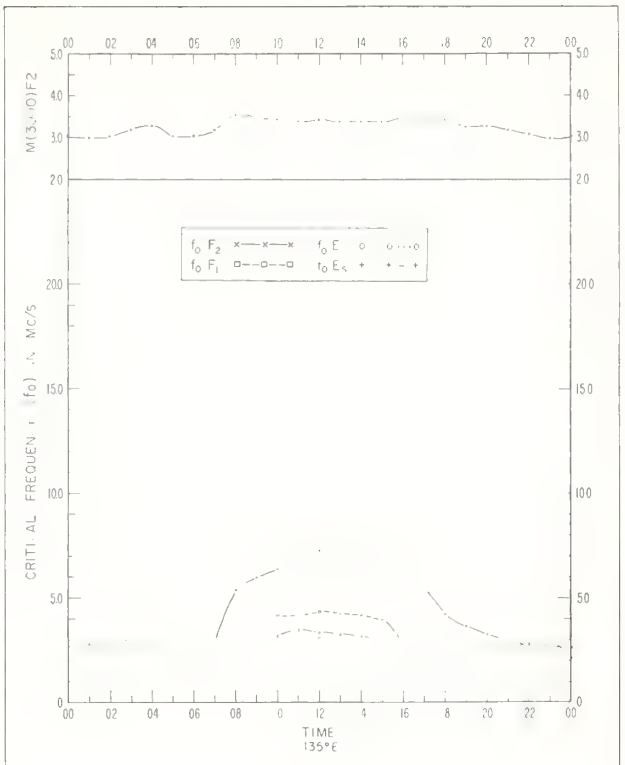

Fig 30. YAMAGAWA, JAPAN
31.2°N, 130.6°E JANUARY 1963

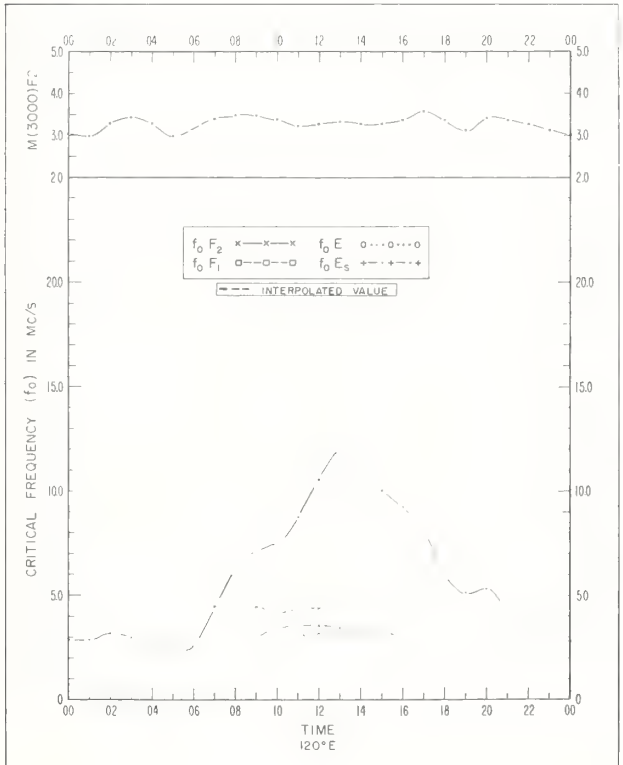

Fig. 31. TAIPEI (TAIWAN), CHINA
25.0°N, 121.5°E JANUARY 1963

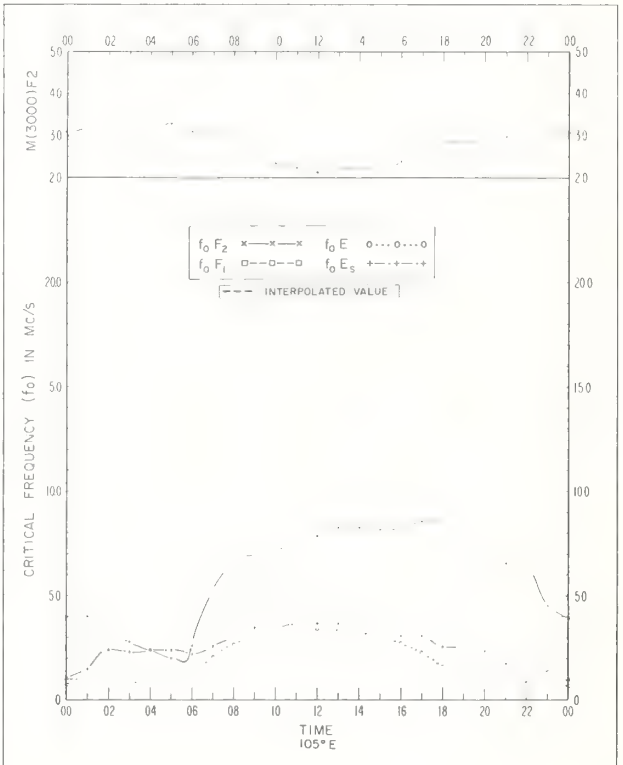

Fig 32. SINGAPORE, BRITISH MALAYA
1.3°N, 103.8°E JANUARY 1963

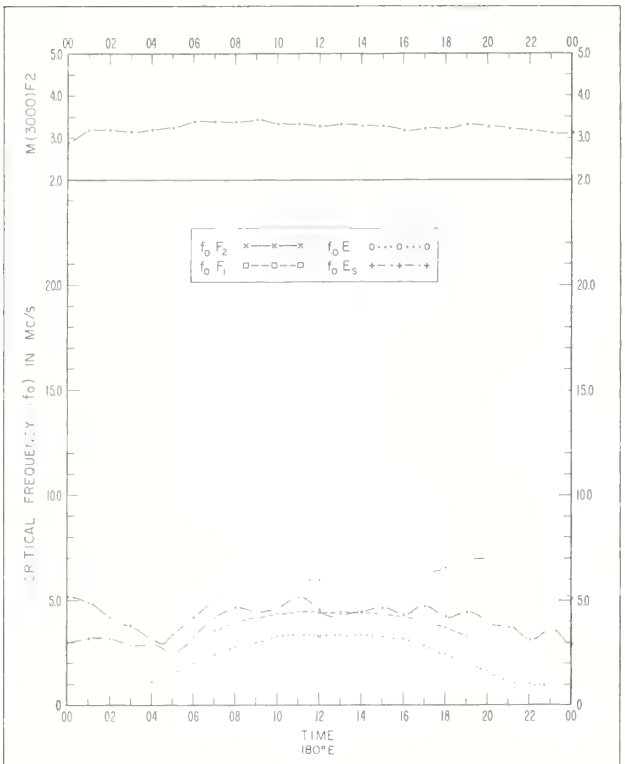

Fig 33 GODLEY HEAD (CHRISTCHURCH), NEW ZEALAND
43 6°S, 172 8°E JANUARY 1963

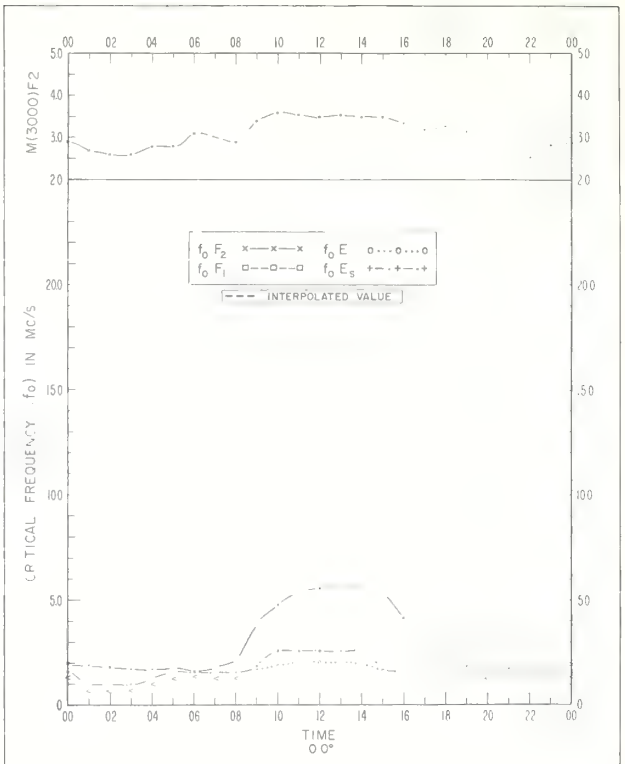

Fig 34 INVERNESS, SCOTLAND
57 4°N, 4 2°W DECEMBER 1962

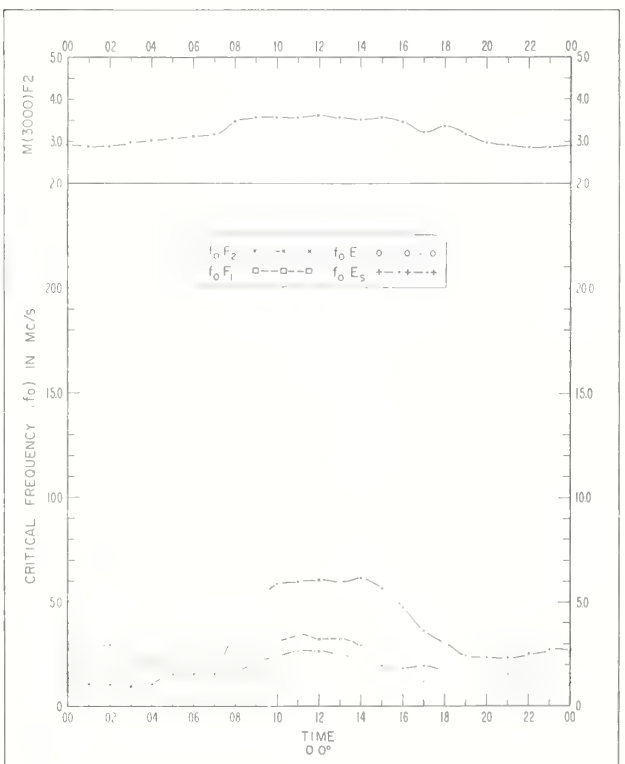

Fig. 35. SLOUGH, ENGLAND
51. 5°N, 0 6°W DECEMBER 1962

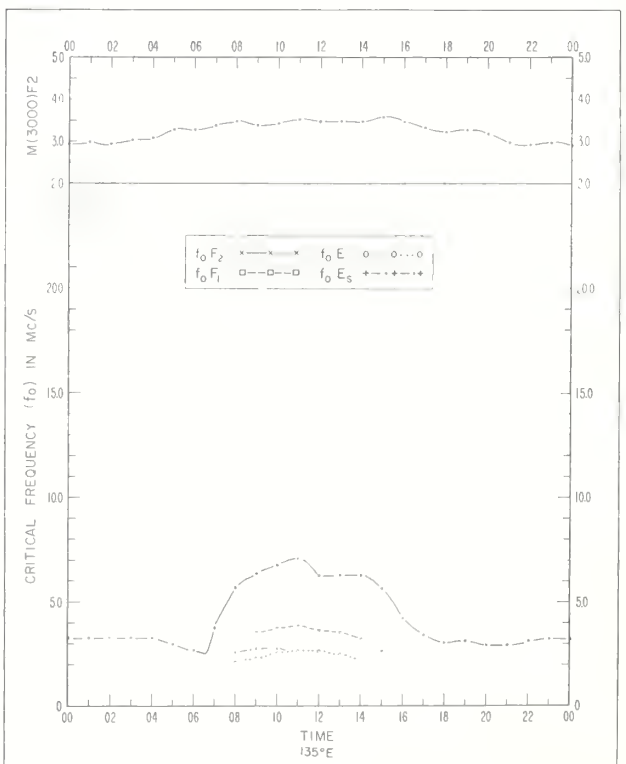

Fig. 36. WAKKANAI, JAPAN
45 4°N, 141. 7°E DECEMBER 1962

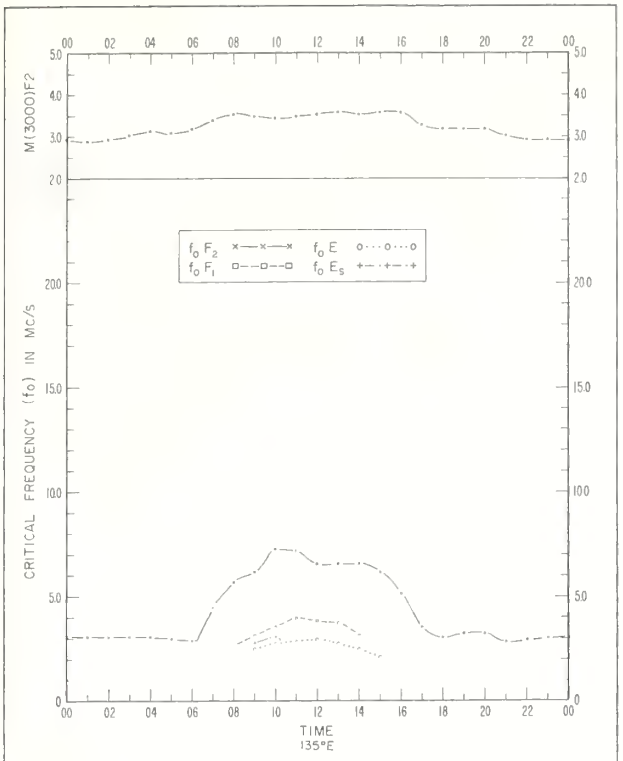

Fig. 37 AKITA, JAPAN
39.7°N, 140.1°E
DECEMBER 1962

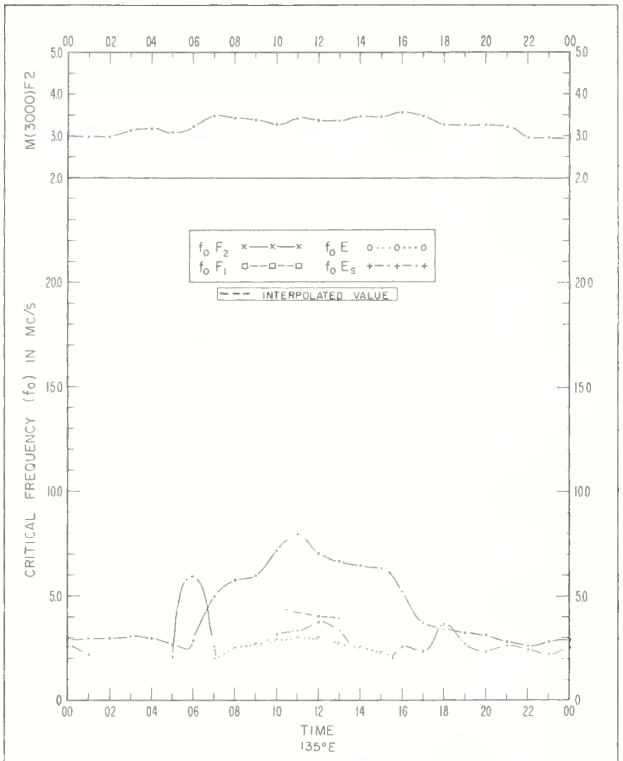

Fig. 38. KOKUBUNJI, TOKYO, JAPAN
35.7°N, 139.5°E
DECEMBER 1962

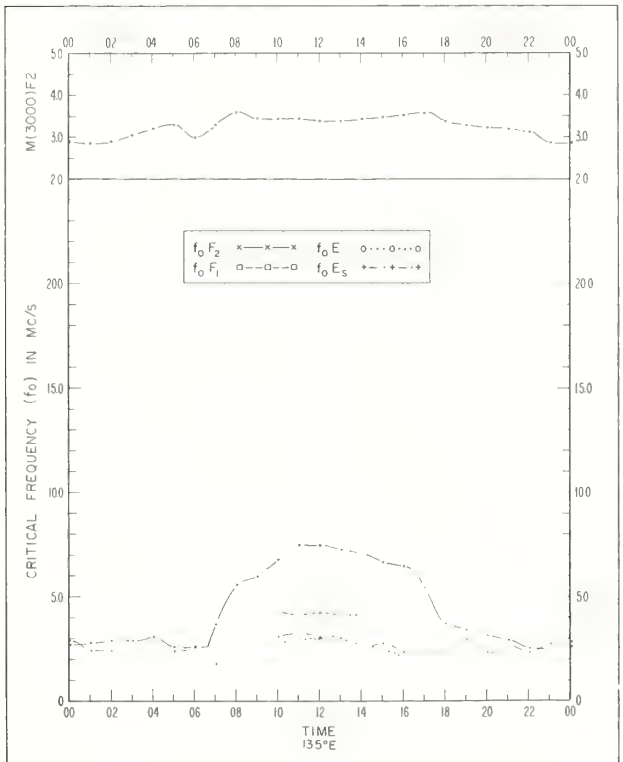

Fig. 39. YAMAGAWA, JAPAN
31.2°N, 130.6°E
DECEMBER 1962

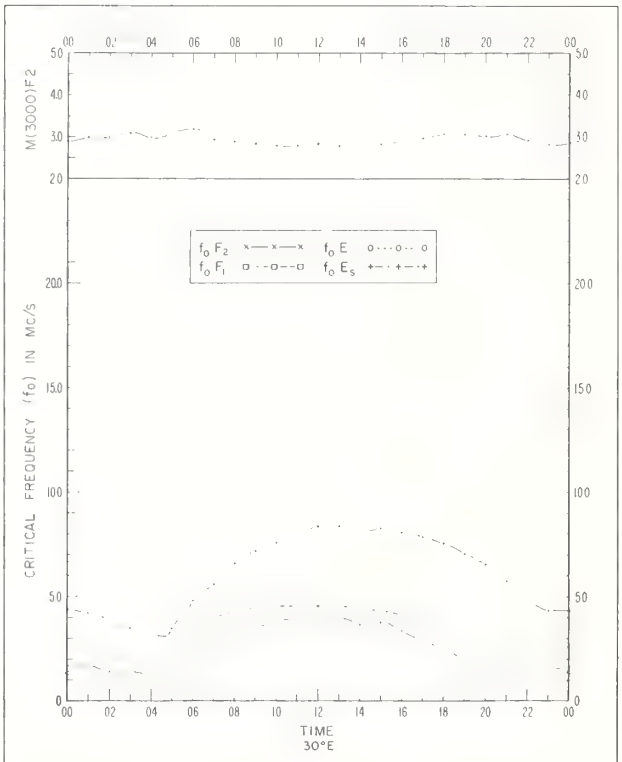

Fig. 40. JOHANNESBURG, UNION OF S. AFRICA
26.1°S, 28.1°E
DECEMBER 1962

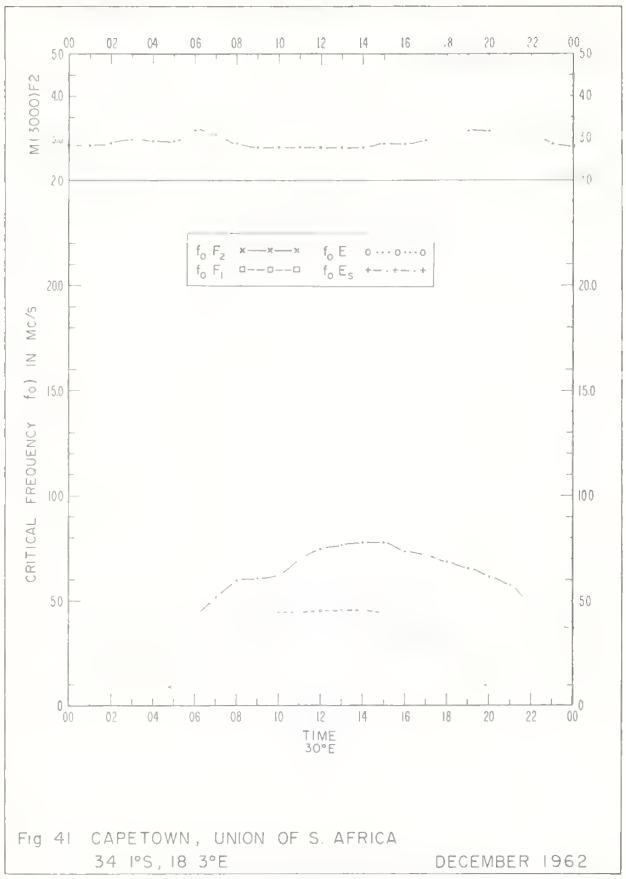

Fig 41 CAPETOWN, UNION OF S. AFRICA
34 1°S, 18 3°E DECEMBER 1962

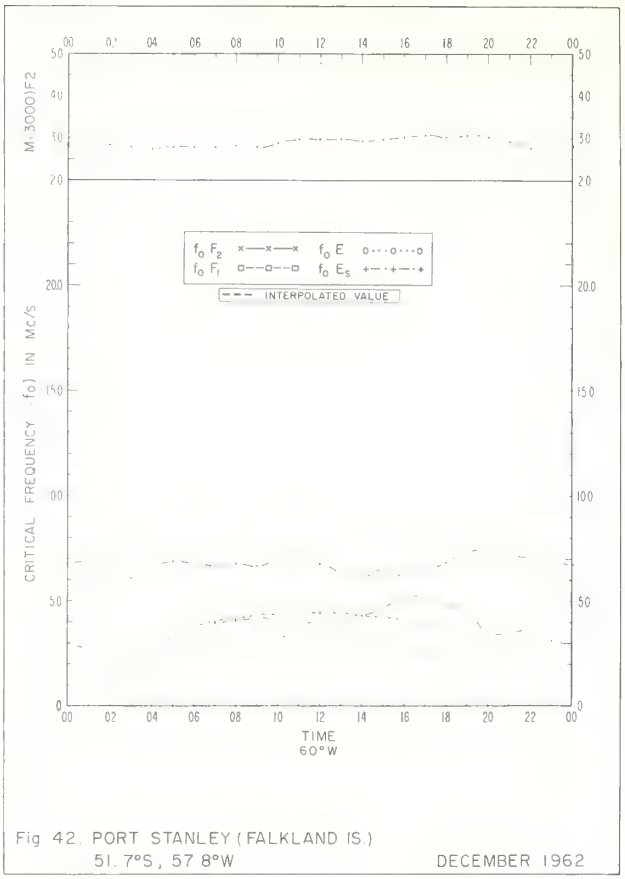

Fig 42. PORT STANLEY (FALKLAND IS.)
51. 7°S, 57 8°W DECEMBER 1962

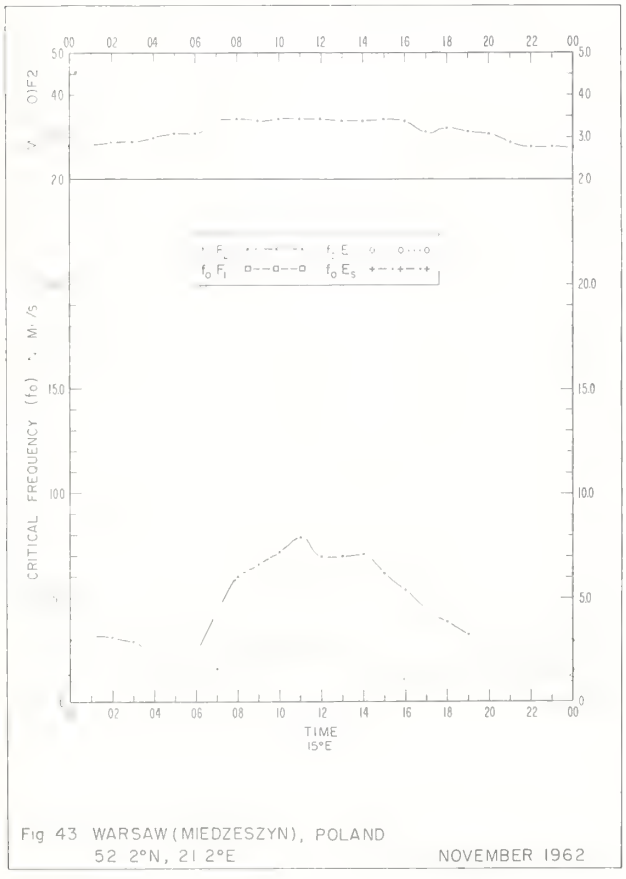

Fig 43 WARSAW (MIEDZESZYN), POLAND
52 2°N, 21 2°E NOVEMBER 1962

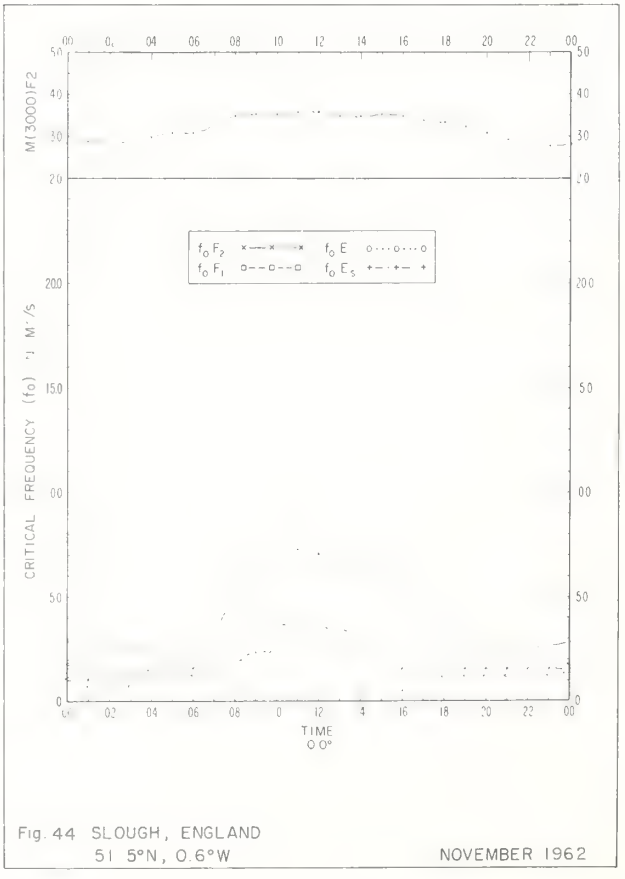

Fig. 44 SLOUGH, ENGLAND
51 5°N, 0.6°W NOVEMBER 1962

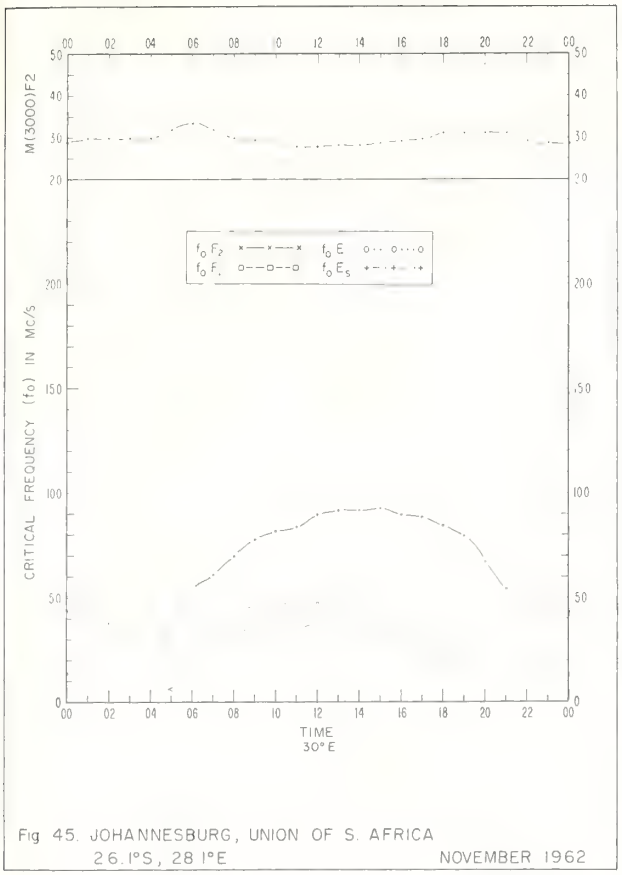

Fig 45. JOHANNESBURG, UNION OF S. AFRICA
26.1°S, 28.1°E NOVEMBER 1962

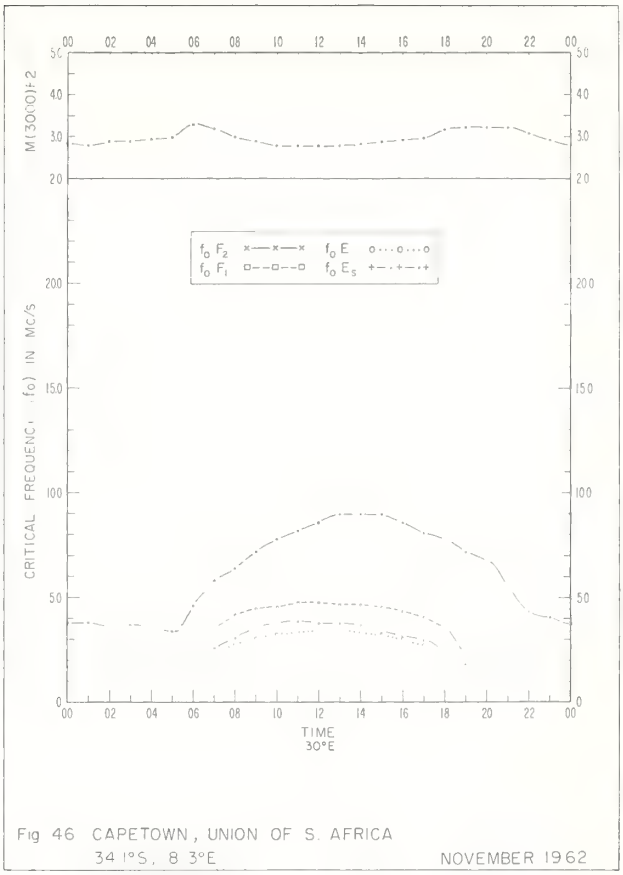

Fig 46 CAPETOWN, UNION OF S. AFRICA
34.1°S, 8.3°E NOVEMBER 1962

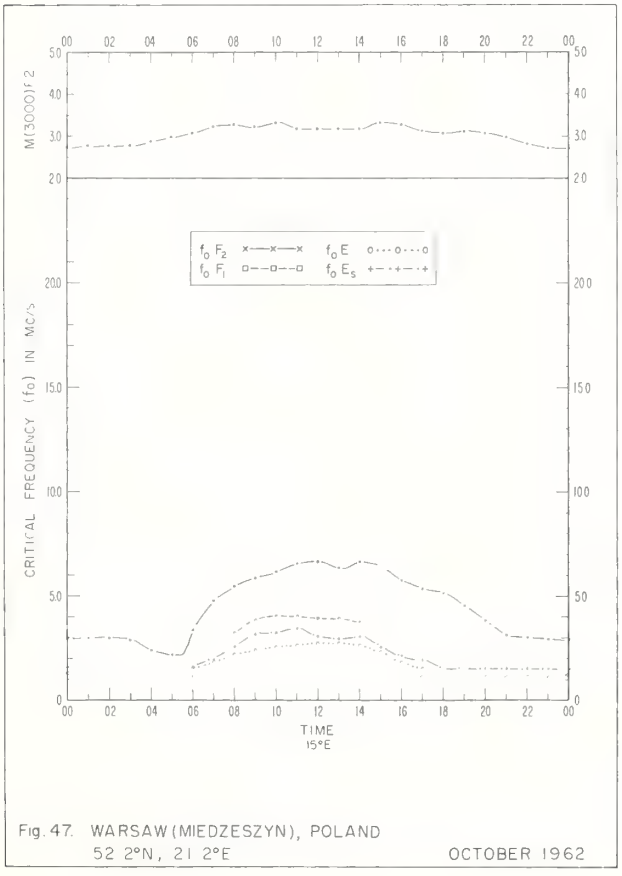

Fig. 47. WARSAW (MIEDZESZYN), POLAND
52.2°N, 21.2°E OCTOBER 1962

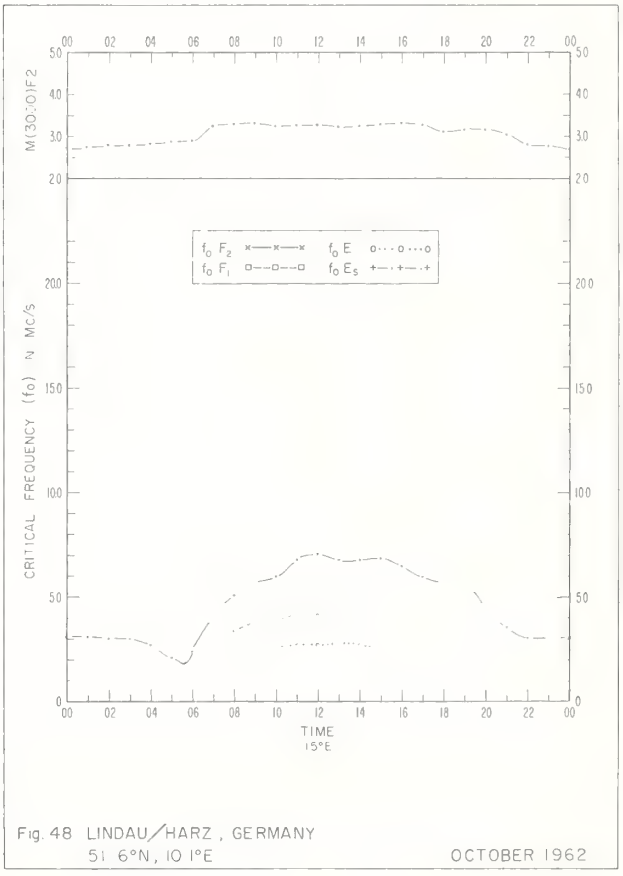

Fig. 48 LINDAU/HARZ, GERMANY
51.6°N, 10.1°E OCTOBER 1962

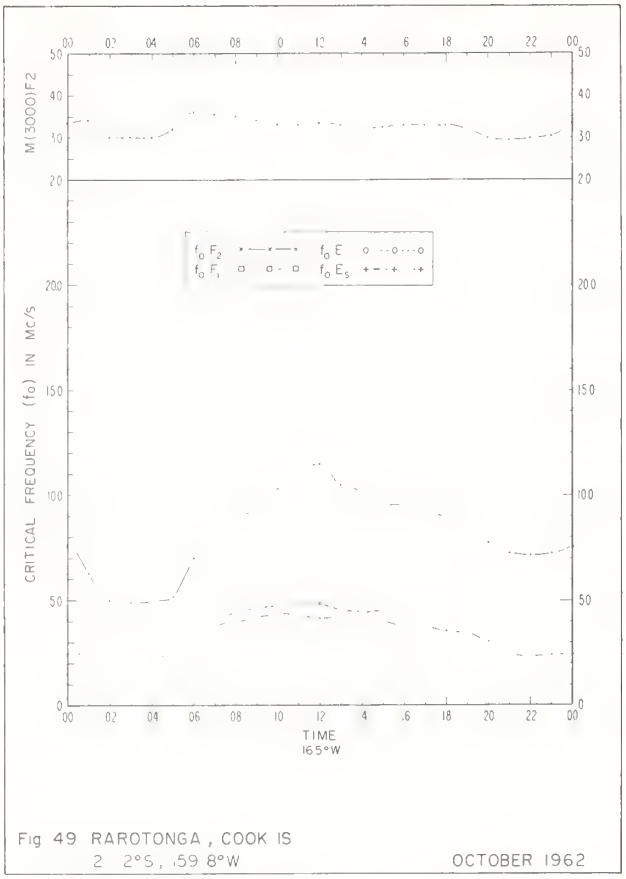

Fig 49 RAROTONGA, COOK IS
21 2°S, 159 8°W
OCTOBER 1962

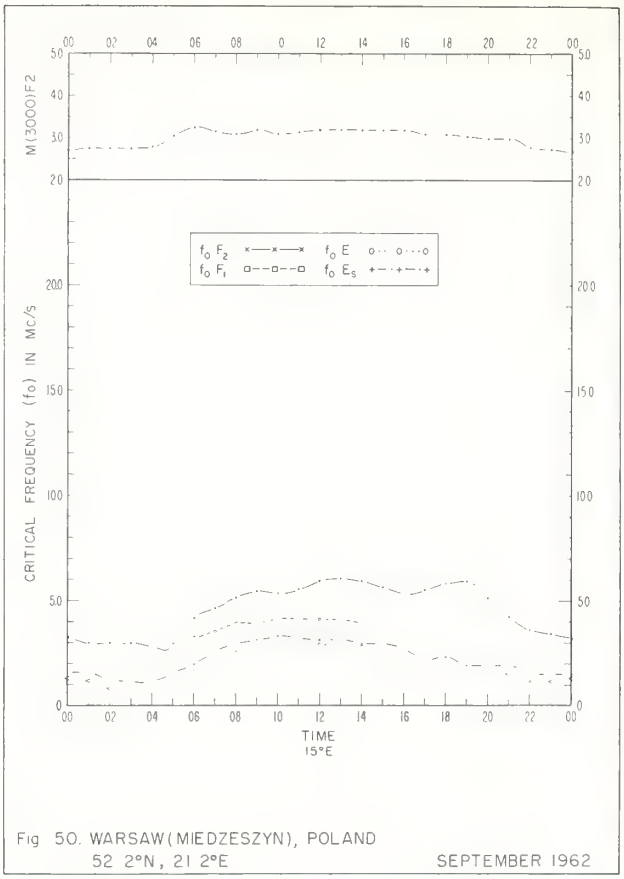

Fig 50. WARSAW (MIEDZESZYN), POLAND
52 2°N, 21 2°E
SEPTEMBER 1962

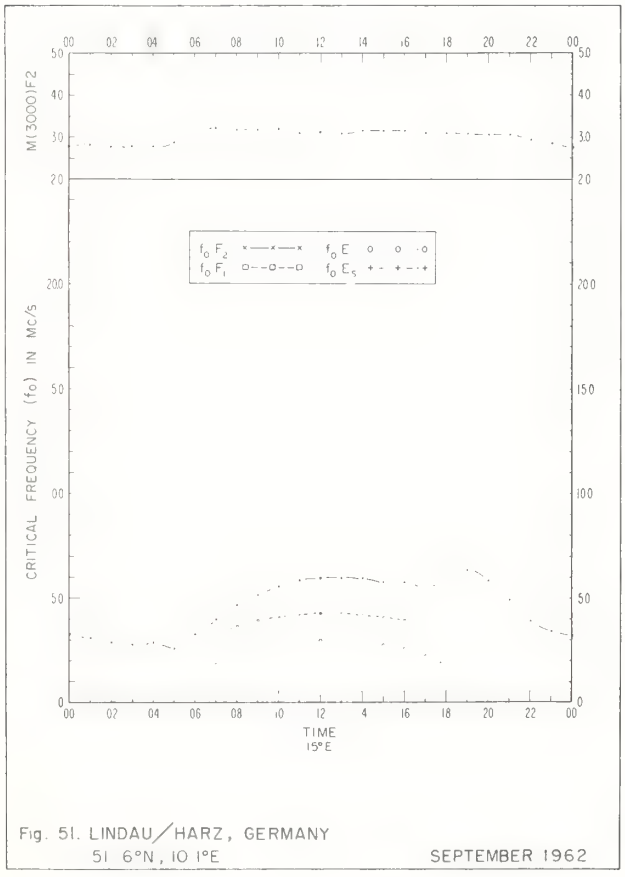

Fig. 51. LINDAU/HARZ, GERMANY
51 6°N, 10 1°E
SEPTEMBER 1962

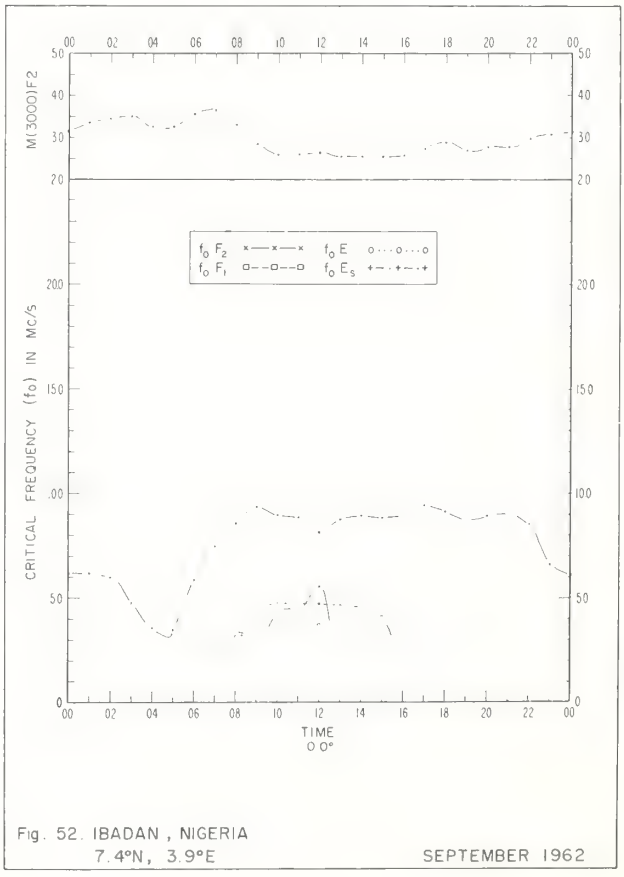

Fig. 52. IBADAN, NIGERIA
7.4°N, 3.9°E
SEPTEMBER 1962

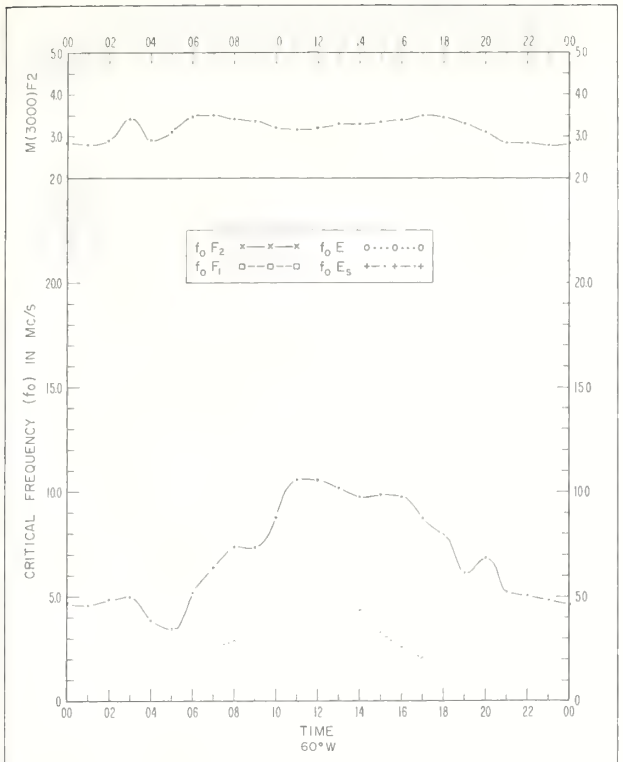

Fig. 53 BUENOS AIRES, ARGENTINA
34 5°S, 58 5°W SEPTEMBER 1962

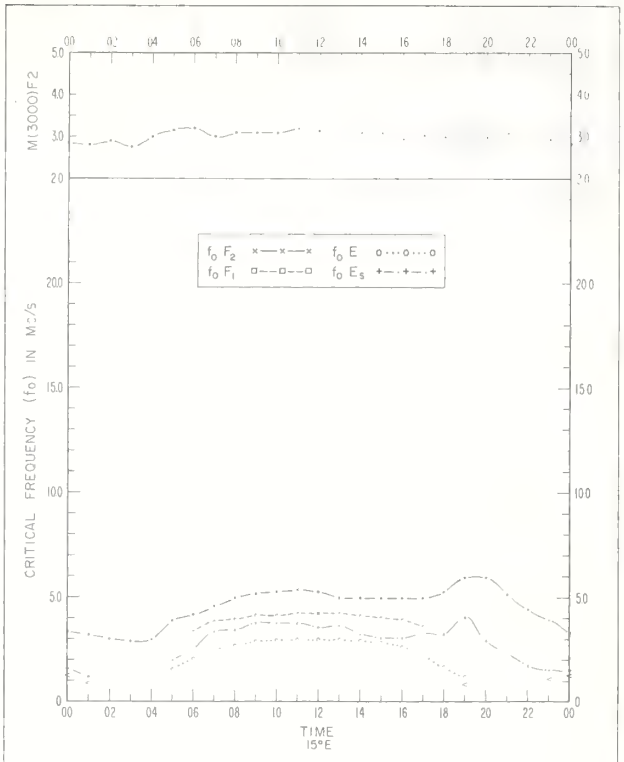

Fig. 54 WARSAW (MIEDZESZYN), POLAND
52 2°N, 21 2°E AUGUST 1962

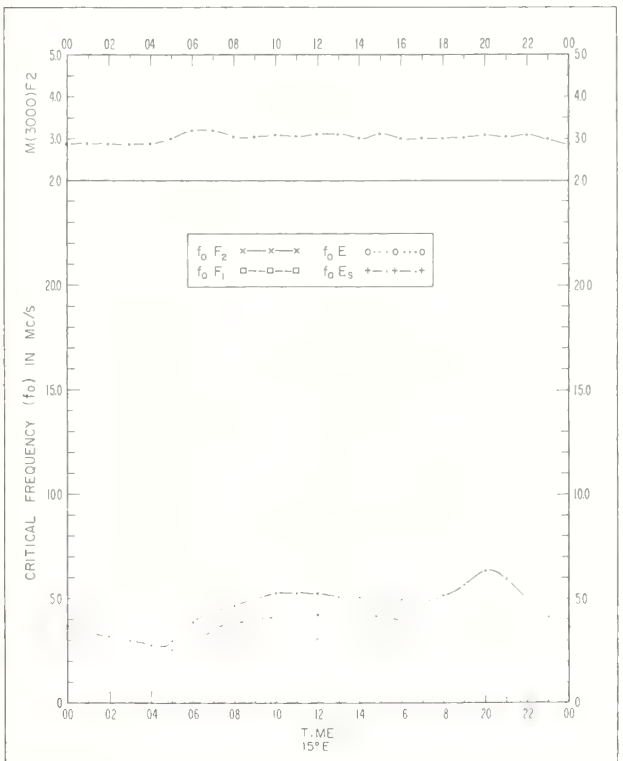

Fig. 55. LINDAU/HARZ, GERMANY
51 6°N, 10 1°E AUGUST 1962

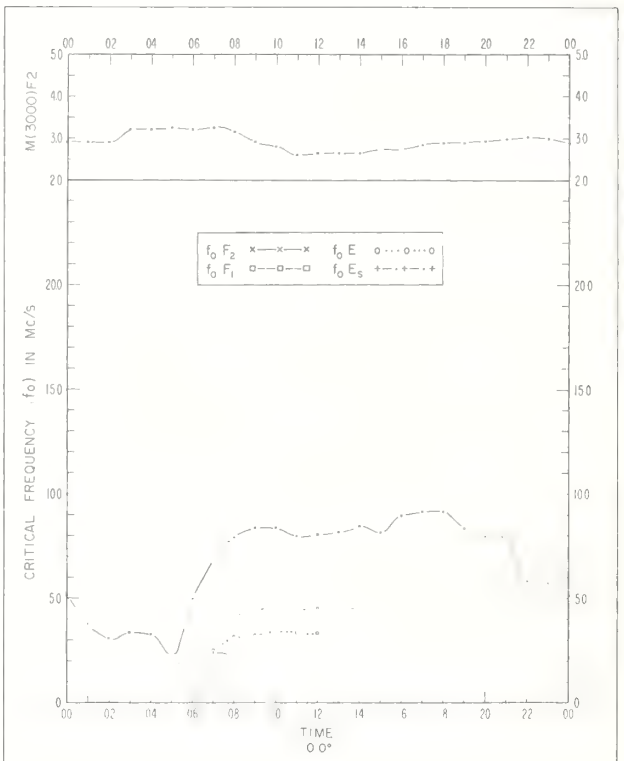

Fig. 56 IBADAN, NIGERIA
7 4°N, 3 9°E AUGUST 1962

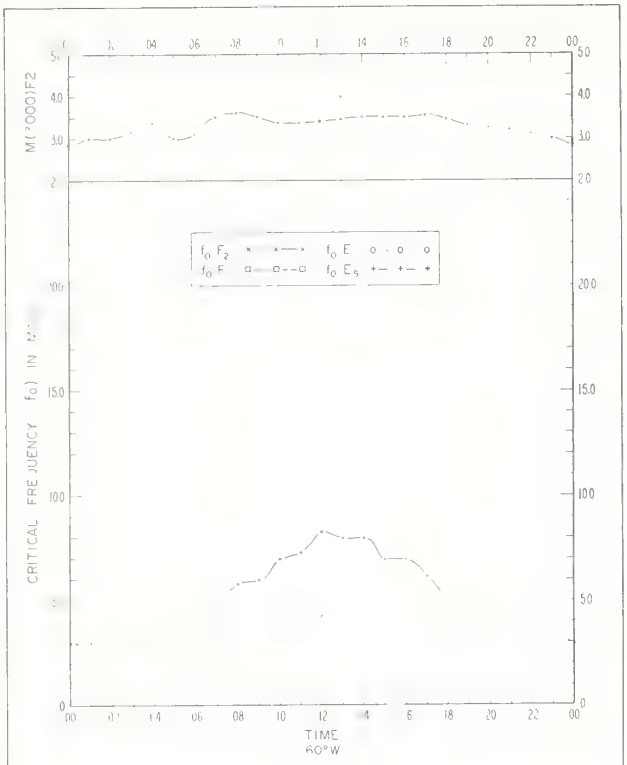

Fig. 57 BUENOS AIRES, ARGENTINA
34.5°S, 58.5°W
AUGUST 1962

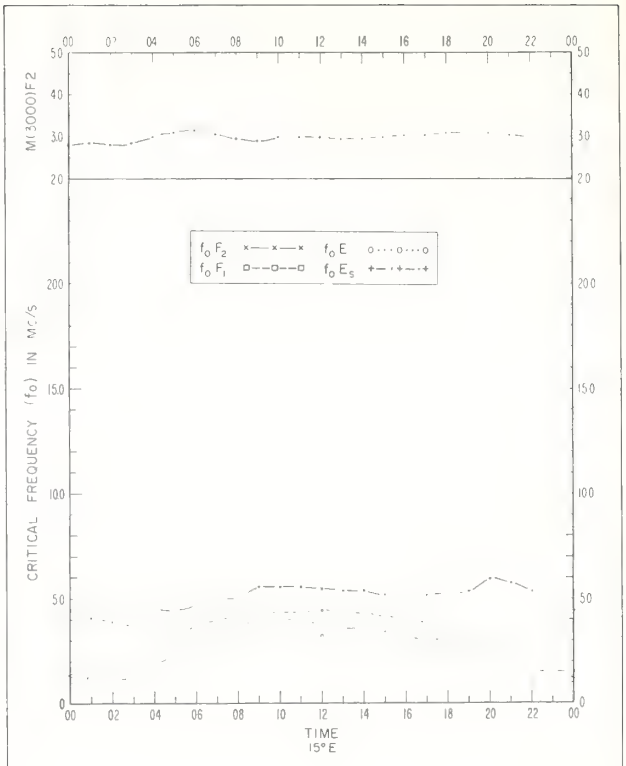

Fig. 58. WARSAW (MIEDZESZYN), POLAND
52.2°N, 21.2°E
JULY 1962

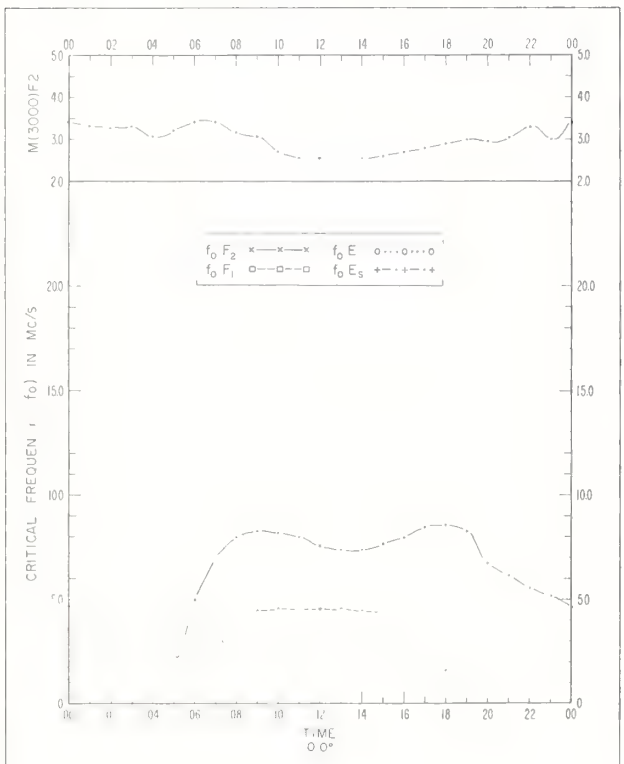

Fig. 59 IBADAN, NIGERIA
7.4°N, 3.9°E
JULY 1962

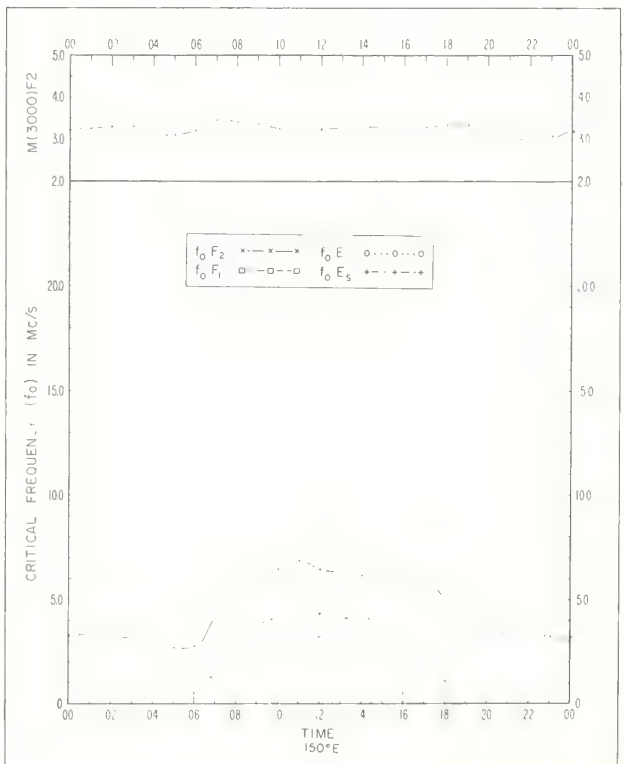

Fig. 60. TOWNSVILLE, AUSTRALIA
19.3°S, 146.7°E
JULY 1962

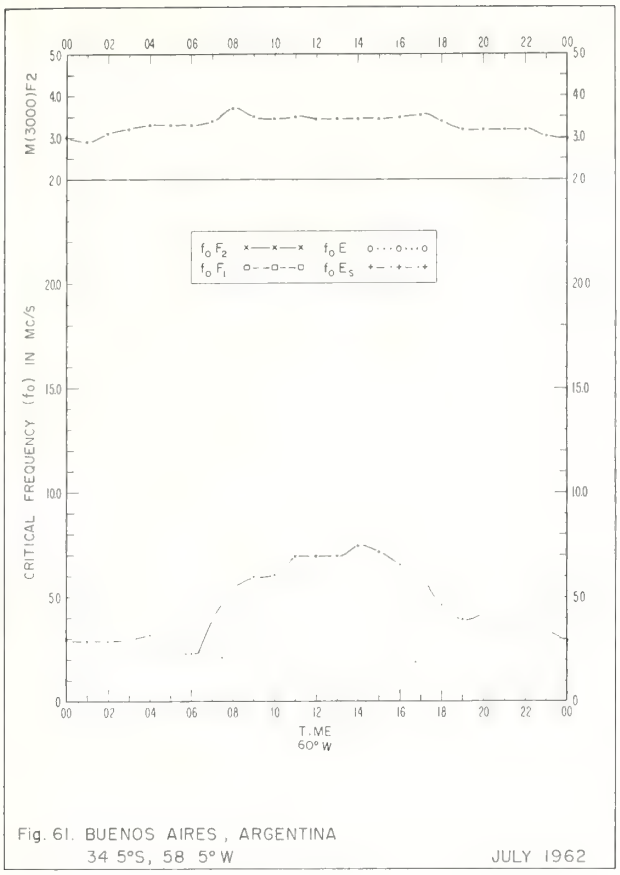

Fig. 61. BUENOS AIRES, ARGENTINA
34 5°S, 58 5° W
JULY 1962

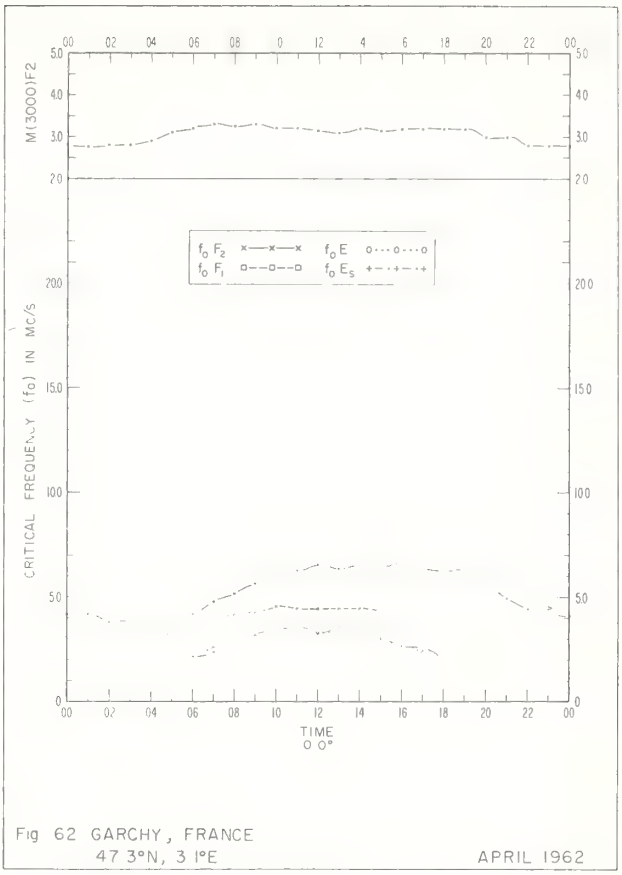

Fig 62 GARCHY, FRANCE
47 3°N, 3 1°E
APRIL 1962

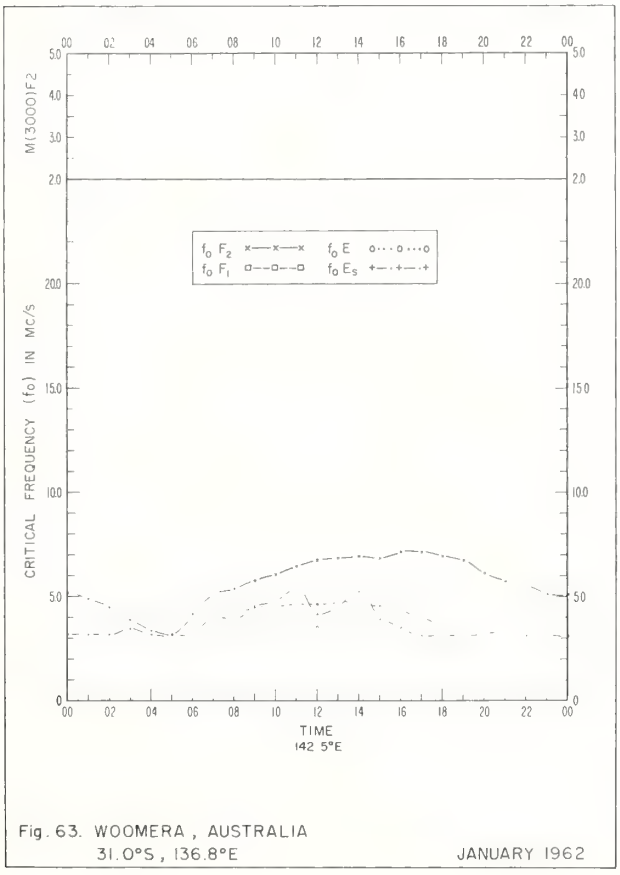

Fig. 63. WOOMERA, AUSTRALIA
31.0°S, 136.8°E
JANUARY 1962

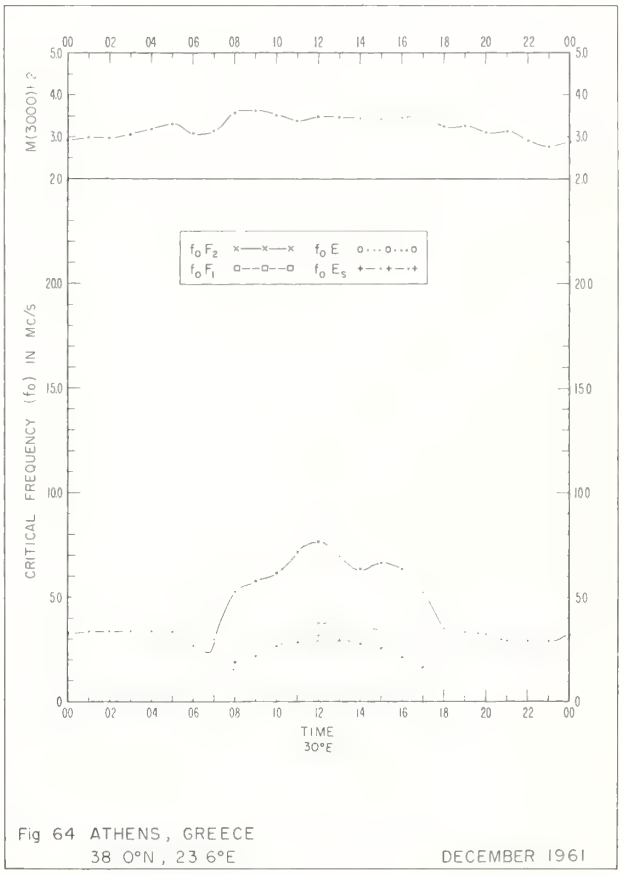

Fig 64 ATHENS, GREECE
38 0°N, 23 6°E
DECEMBER 1961

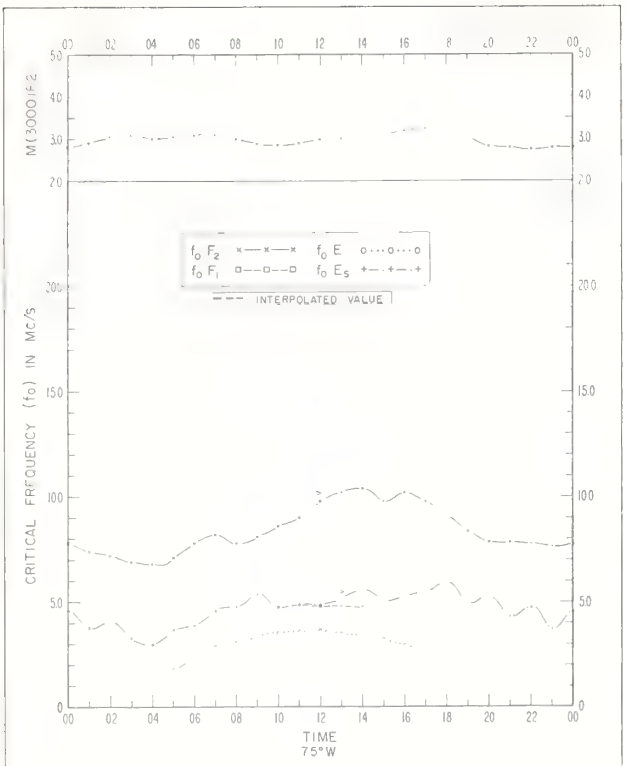

Fig 65 CONCEPCION, CHILE
36 6°S, 73 0°W
DECEMBER 1961

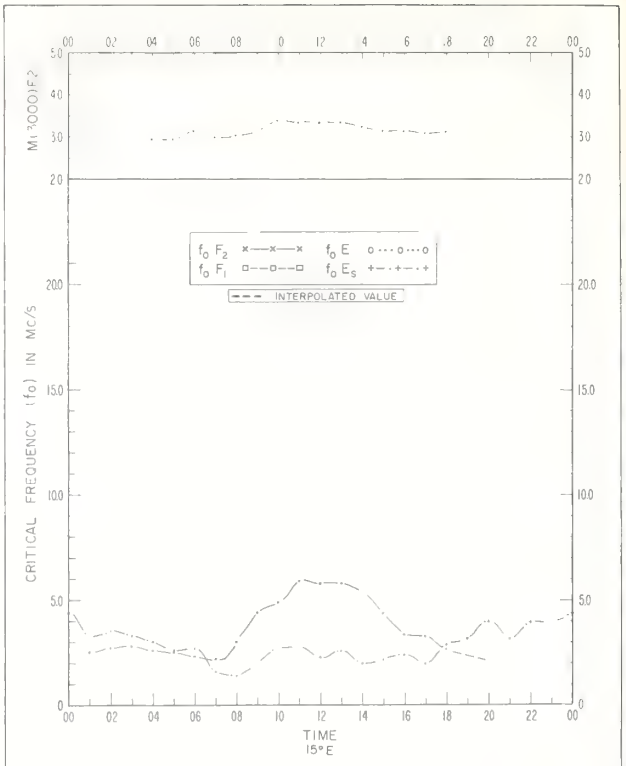

Fig 66. TROMSO, NORWAY
69 7°N, 19 0°E
NOVEMBER 1961

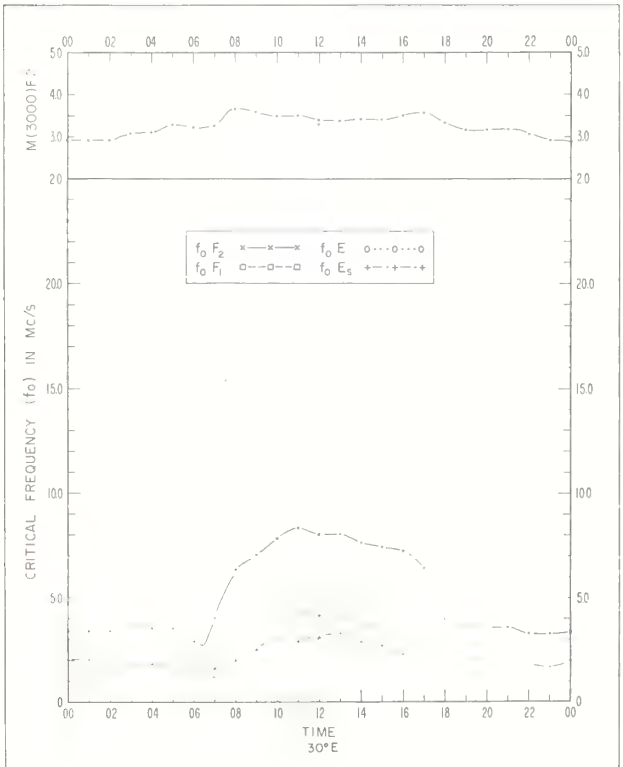

Fig 67 ATHENS, GREECE
38 0°N, 23 6°E
NOVEMBER 1961

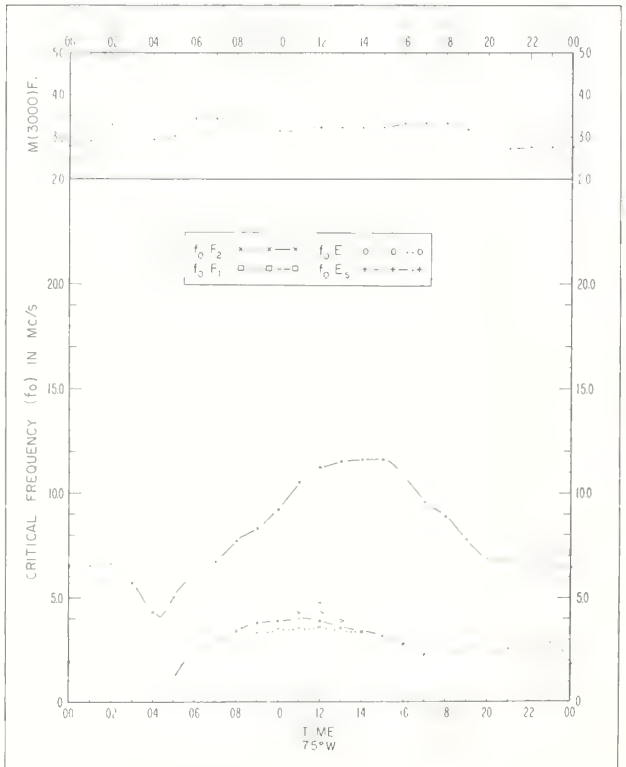

Fig 68. CONCEPCION, CHILE
36 6°S, 73 0°W
OCTOBER 1961

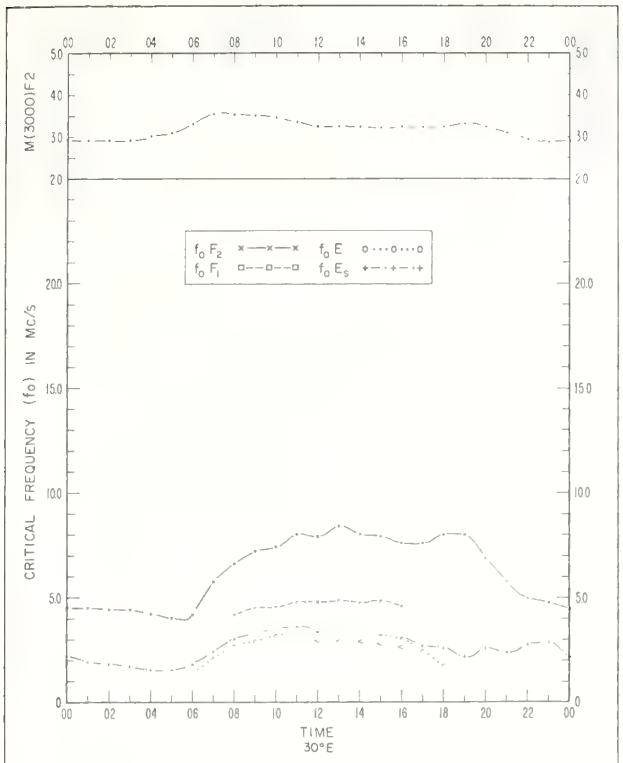

Fig 69 ATHENS, GREECE
38 0°N, 23 6°E SEPTEMBER 1961

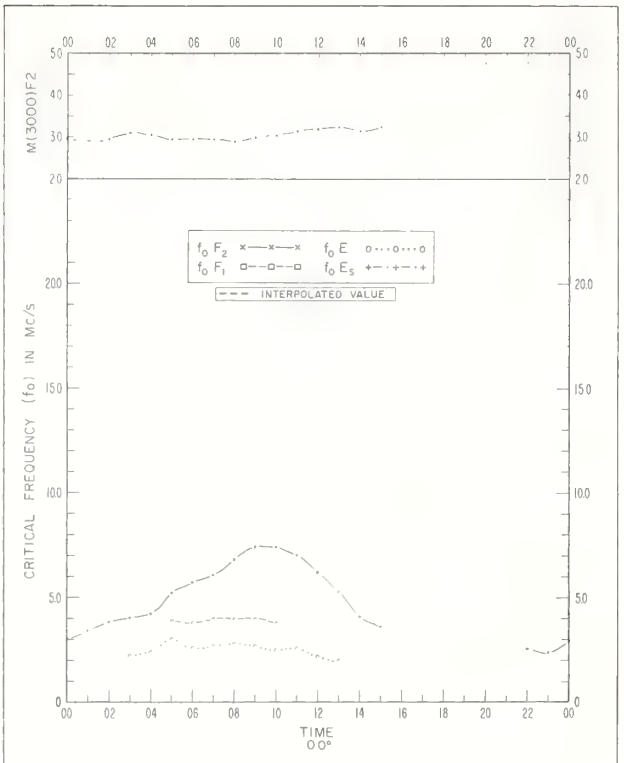

Fig 70 MAWSON, ANTARCTICA
67 6°S, 62 9°E SEPTEMBER 1961

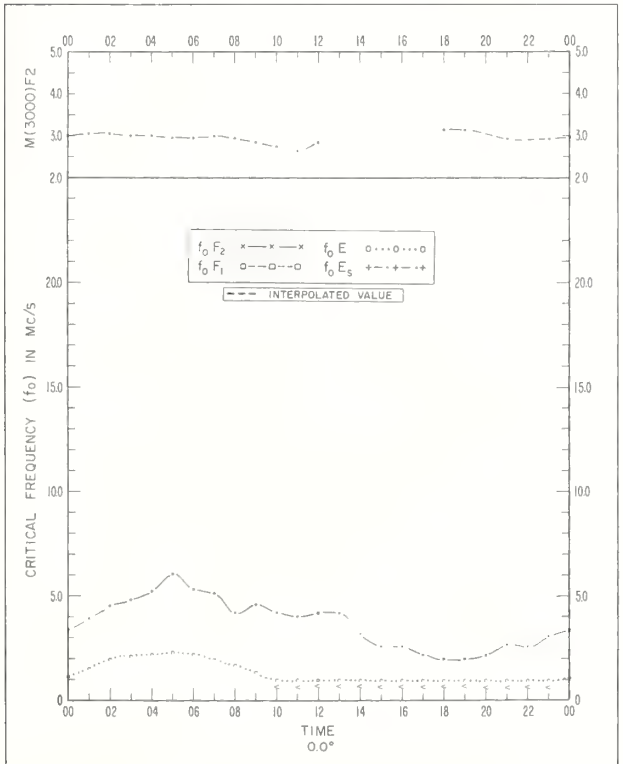

Fig. 71. WILKES STATION, ANTARCTICA
66.3°S, 110.5°E AUGUST 1961

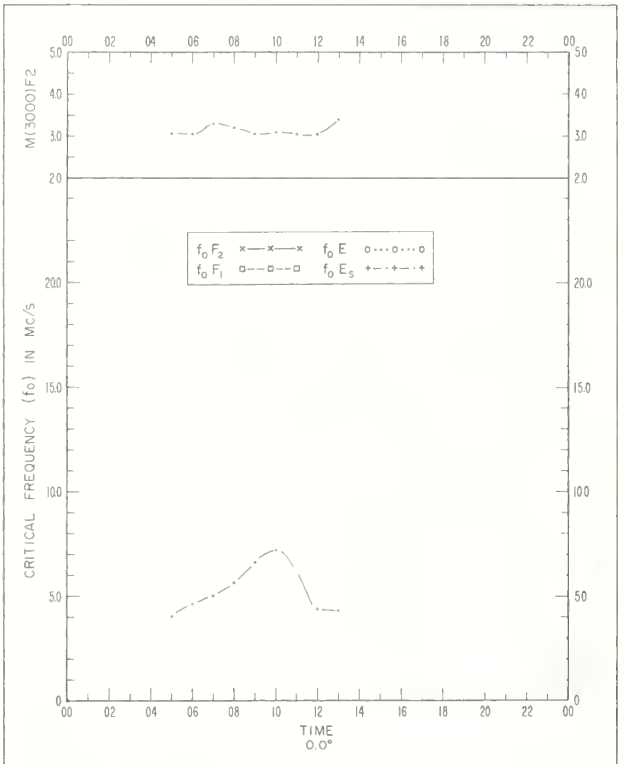

Fig. 72. MAWSON, ANTARCTICA
67.6°S, 62 9°E JULY 1961

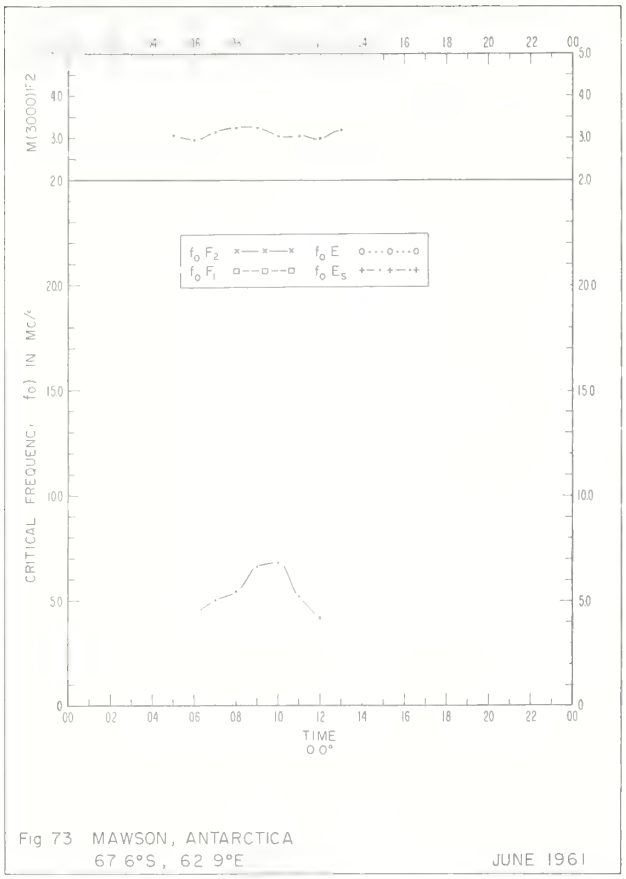

Fig 73 MAWSON, ANTARCTICA
67 6°S, 62 9°E
JUNE 1961

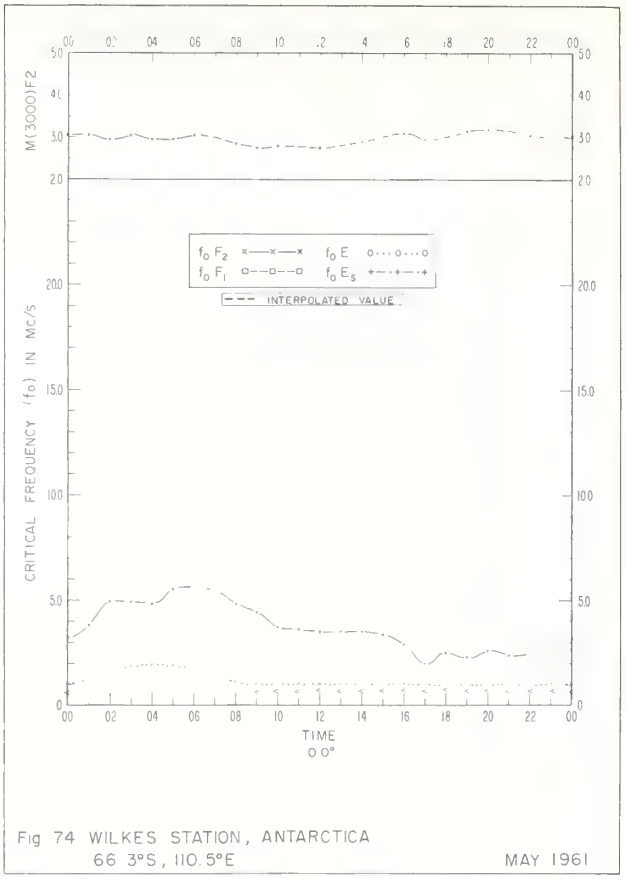

Fig 74 WILKES STATION, ANTARCTICA
66 3°S, 110 5°E
MAY 1961

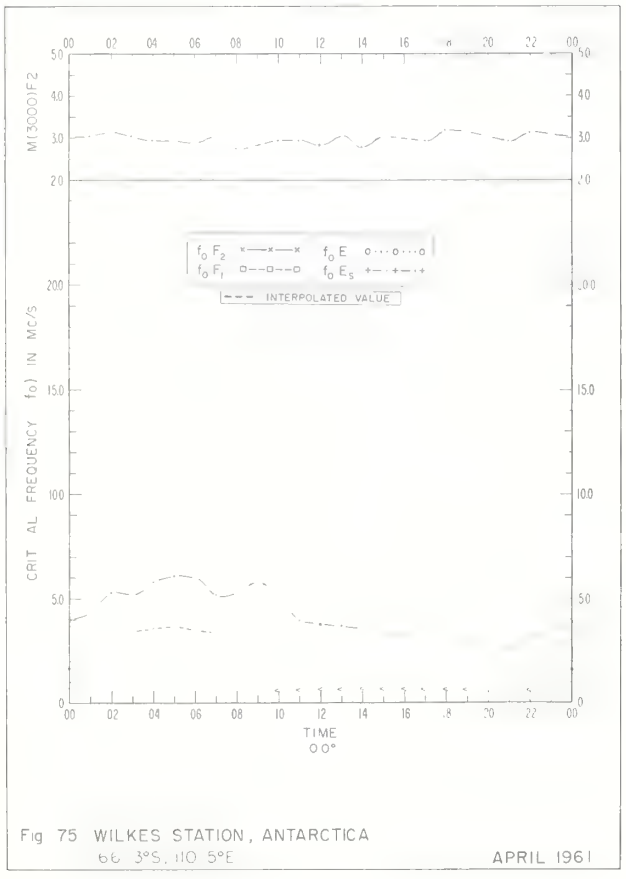

Fig 75 WILKES STATION, ANTARCTICA
66 3°S, 110 5°E
APRIL 1961

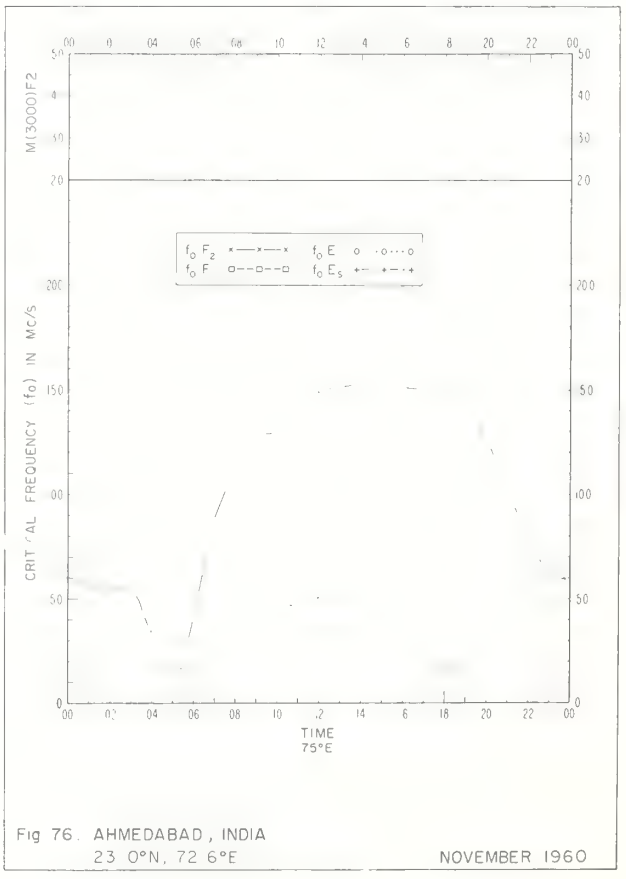

Fig 76 AHMEDABAD, INDIA
23 0°N, 72 6°E
NOVEMBER 1960

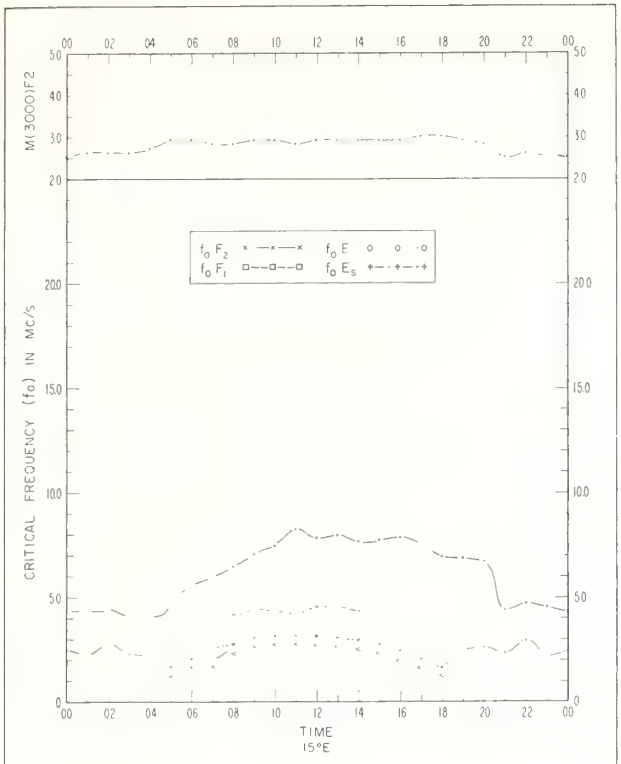

Fig. 77 LULEA, SWEDEN
65.6°N, 22.1°E
SEPTEMBER 1960

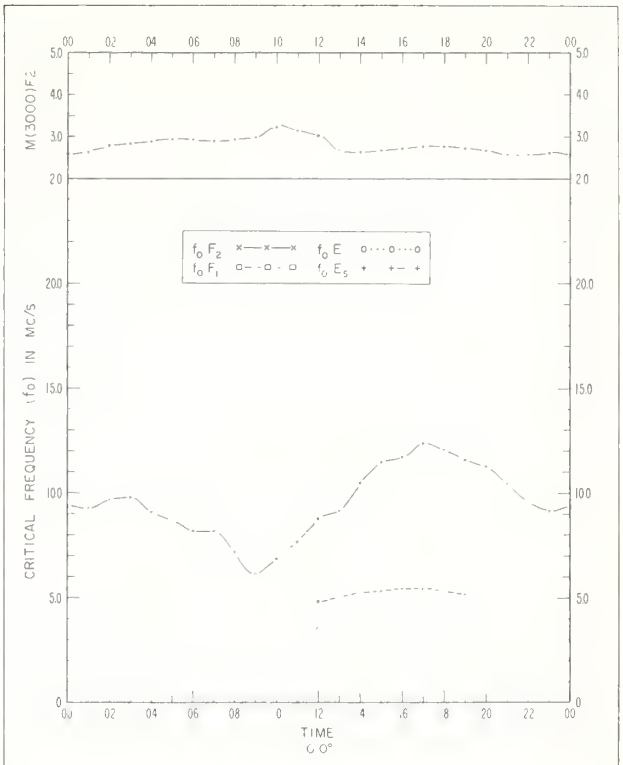

Fig. 78. PARAMARIBO, SURINAM
5.8°N, 55.2°W
AUGUST 1960

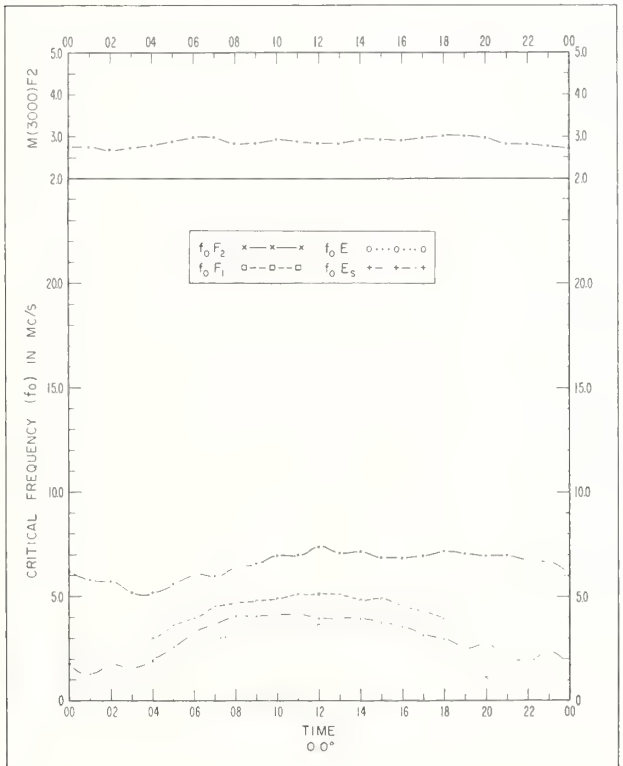

Fig. 79. DOURBES, BELGIUM
50.1°N, 4.6°E
JULY 1960

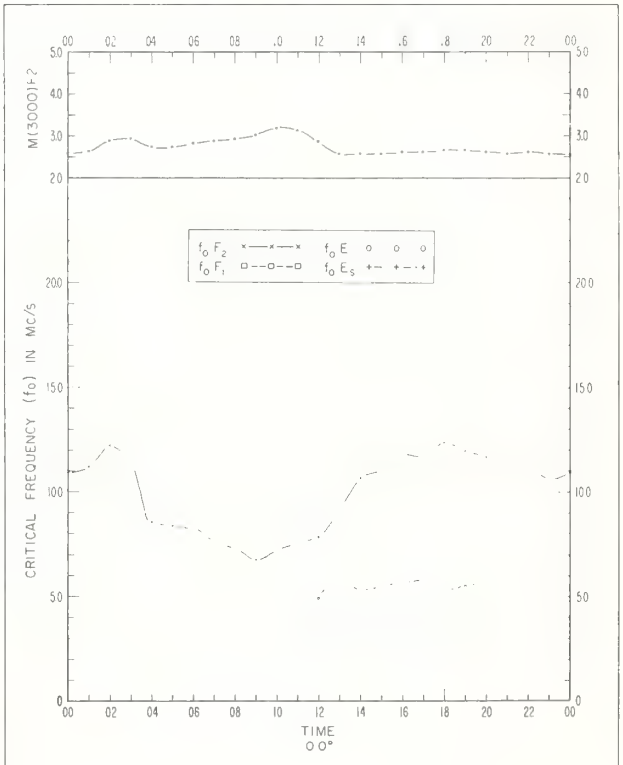

Fig. 80. PARAMARIBO, SURINAM
5.8°N, 55.2°W
JULY 1960

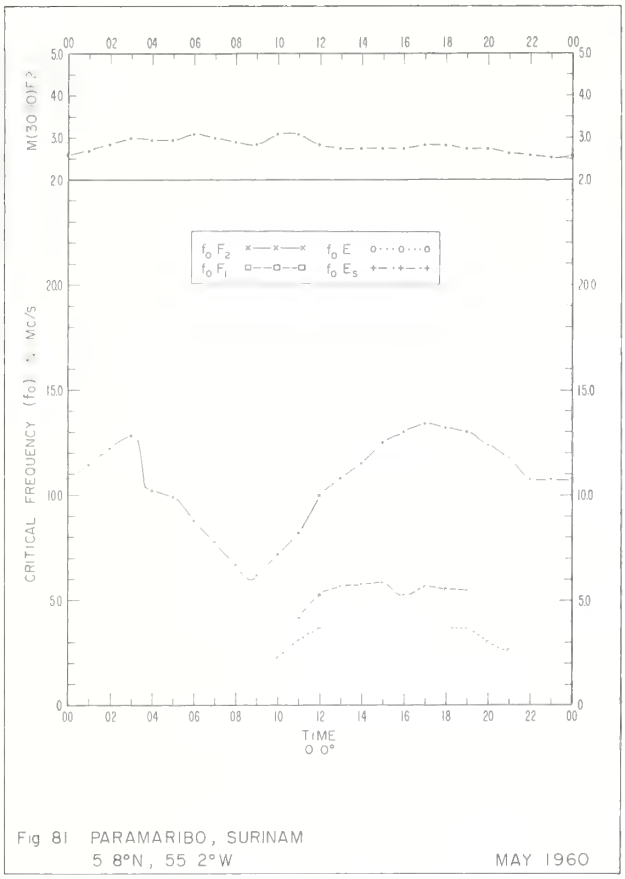

Fig 81 PARAMARIBO, SURINAM
5.8°N, 55.2°W
MAY 1960

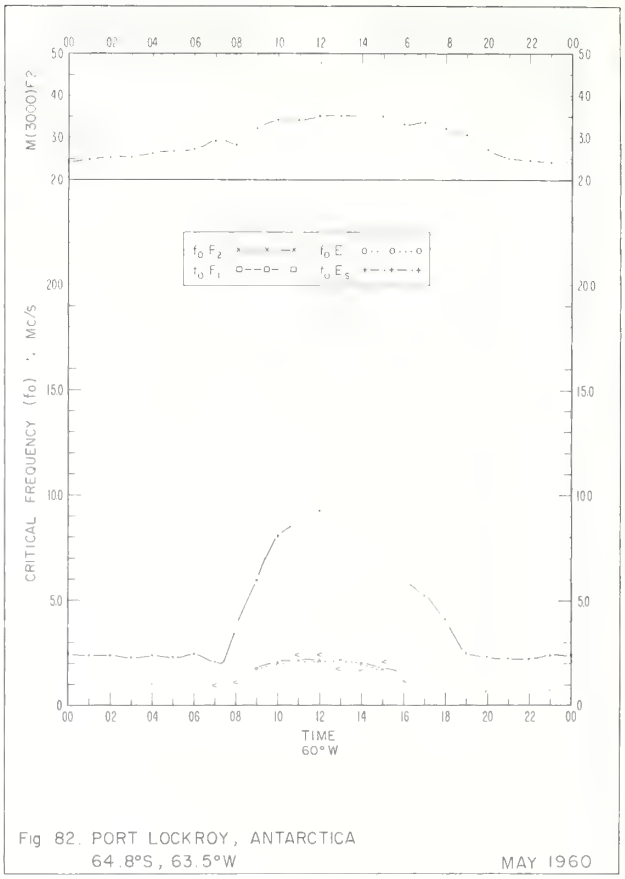

Fig 82. PORT LOCKROY, ANTARCTICA
64.8°S, 63.5°W
MAY 1960

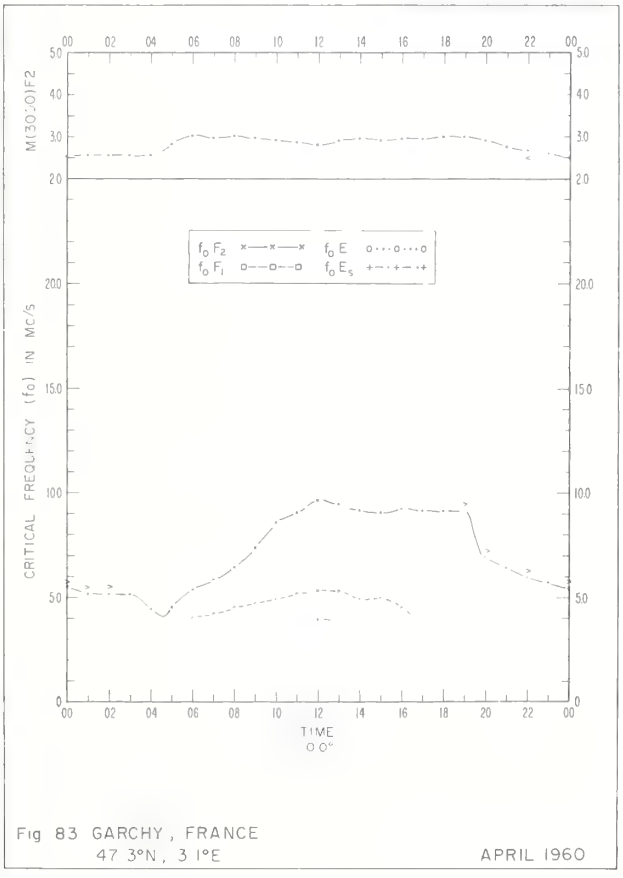

Fig 83 GARCHY, FRANCE
47.3°N, 3.1°E
APRIL 1960

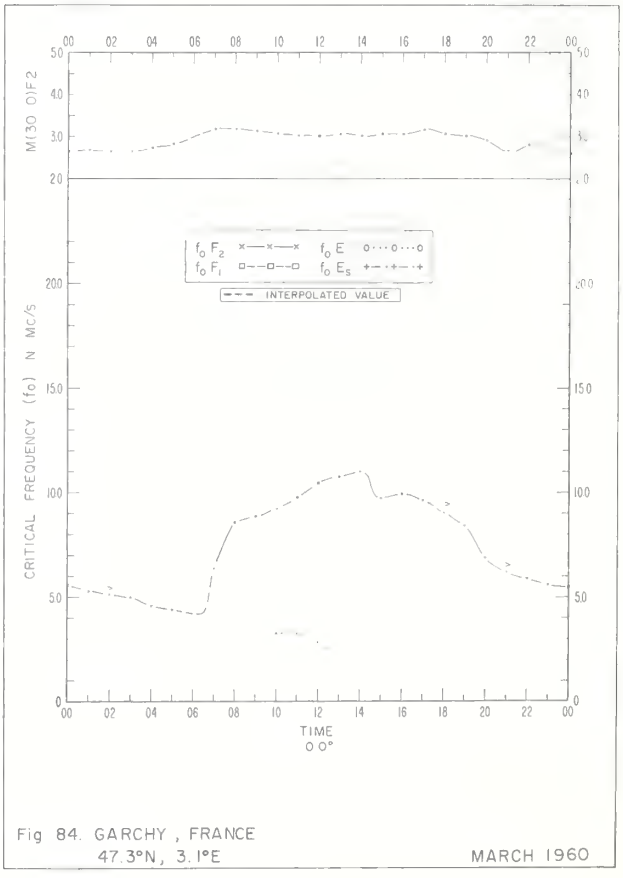

Fig 84. GARCHY, FRANCE
47.3°N, 3.1°E
MARCH 1960

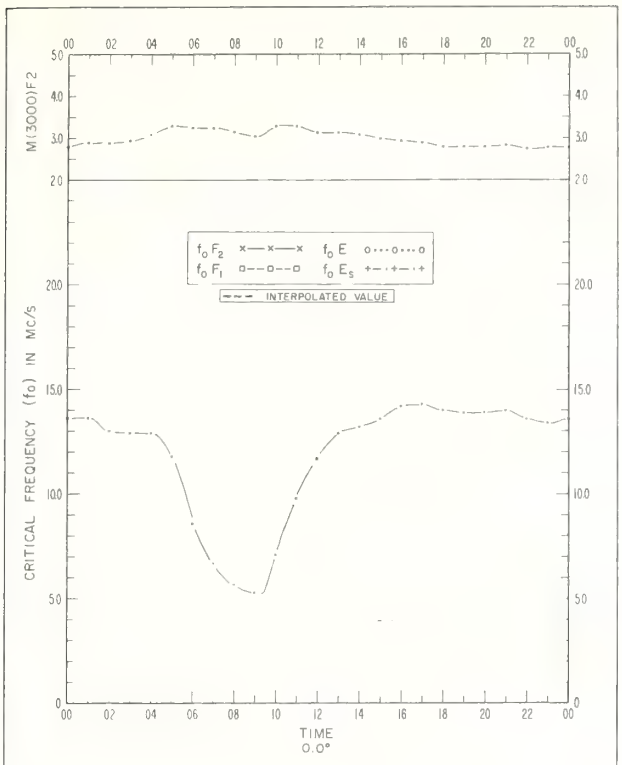

Fig. 85. PARAMARIBO, SURINAM
5.8°N, 55.2°W
MARCH 1960

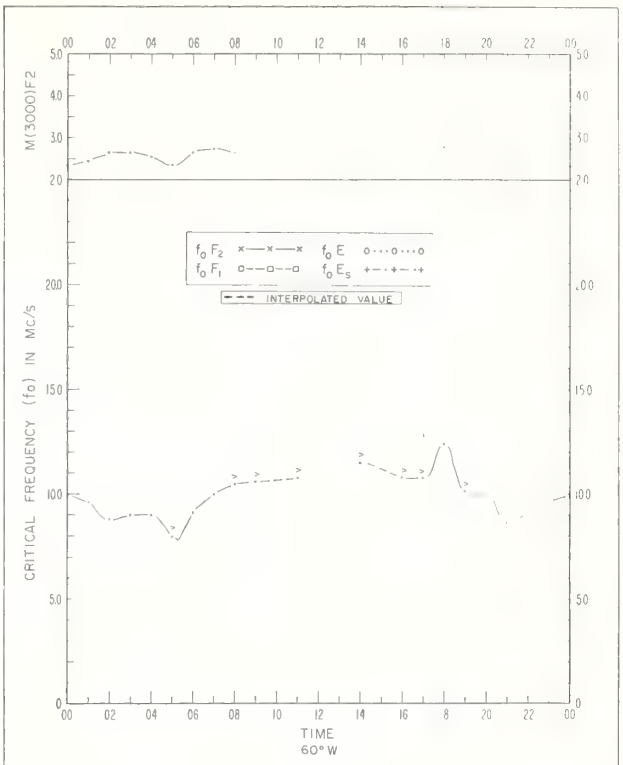

Fig 86 TRELEW, ARGENTINA
43.2°S, 65.3°W
MARCH 1960

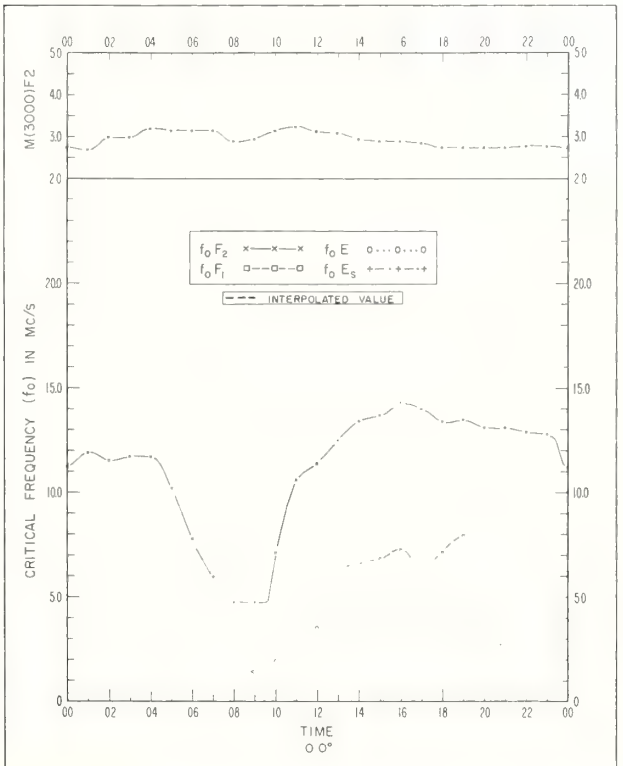

Fig. 87. PARAMARIBO, SURINAM
5.8°N, 55.2°W
FEBRUARY 1960

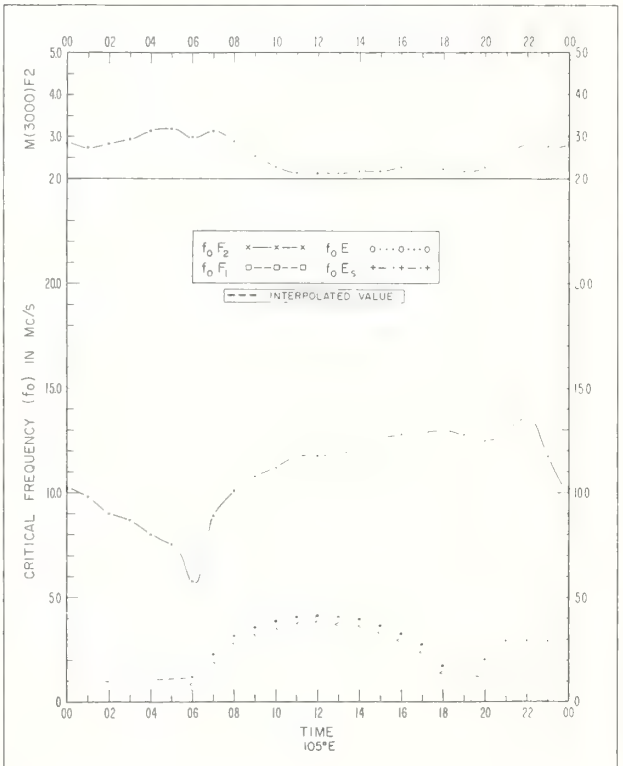

Fig. 88. SINGAPORE, BRITISH MALAYA
1.3°N, 103.8°E
FEBRUARY 1960

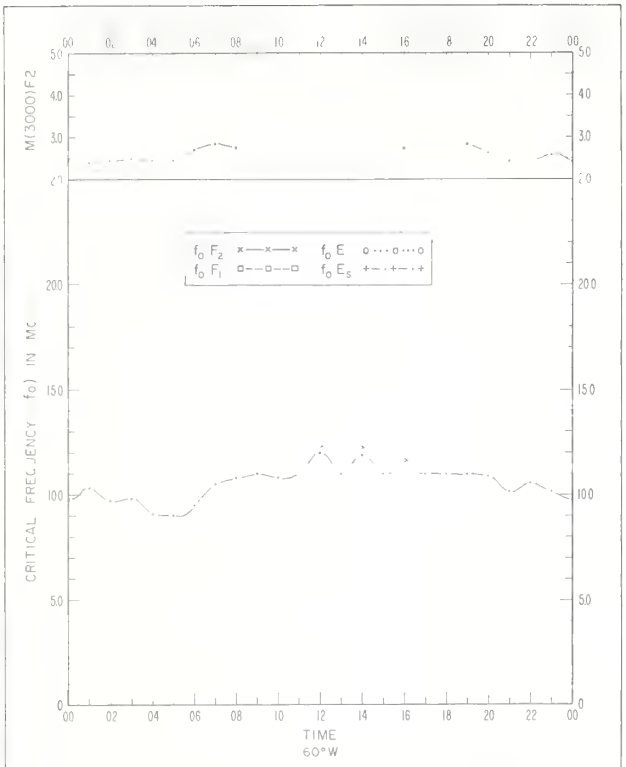

Fig 89 TRELEW, ARGENTINA
43 2°S, 65 3°W
FEBRUARY 1960

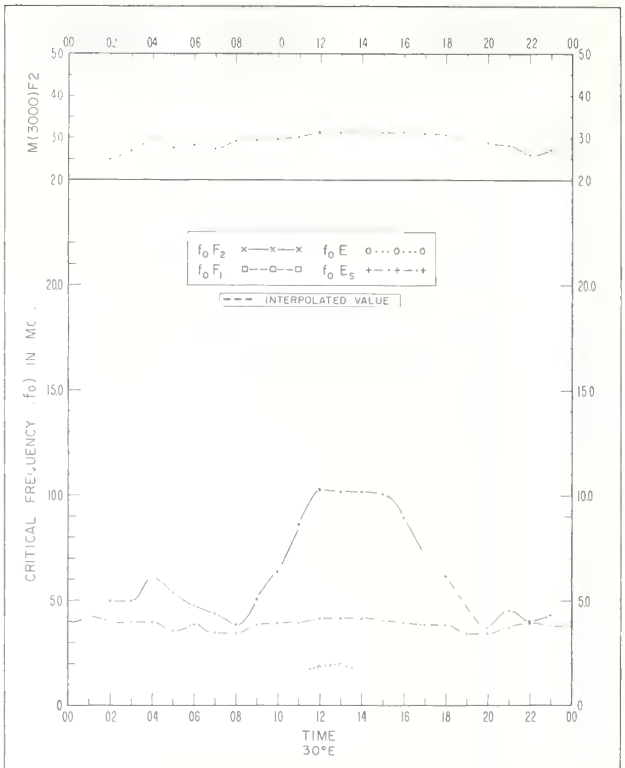

Fig 90 SODANKYLA, FINLAND
67 4°N, 26.6°E
JANUARY 1960

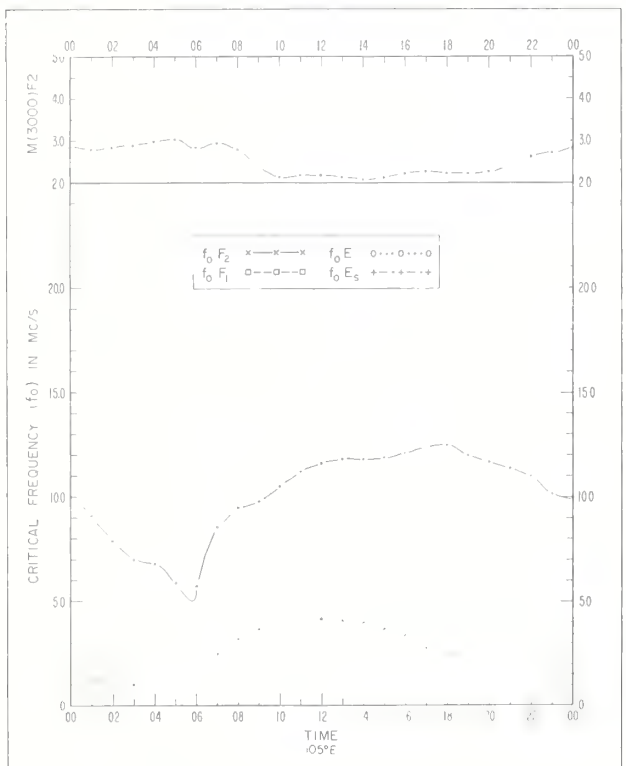

Fig 91. SINGAPORE, BRITISH MALAYA
1.3°N, 103 8°E
JANUARY 1960

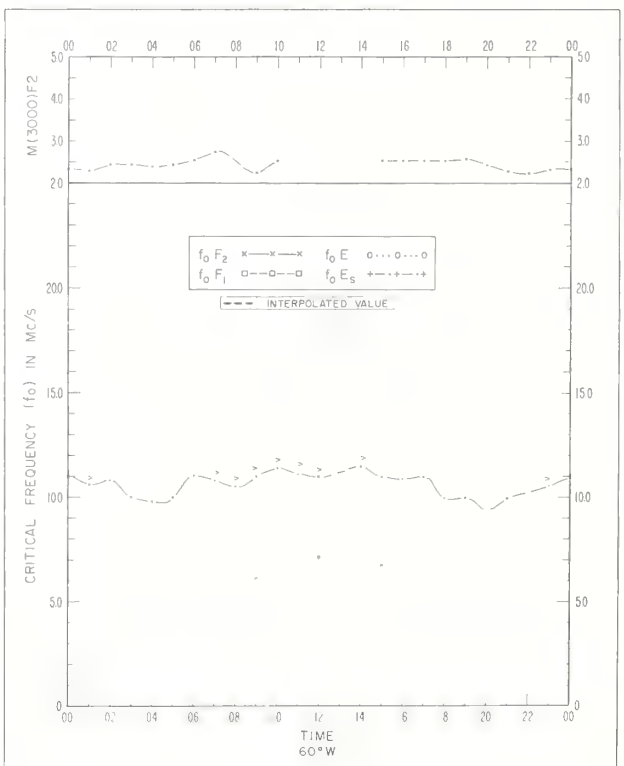

Fig 92. TRELEW, ARGENTINA
43.2°S, 65.3°W
JANUARY 1960

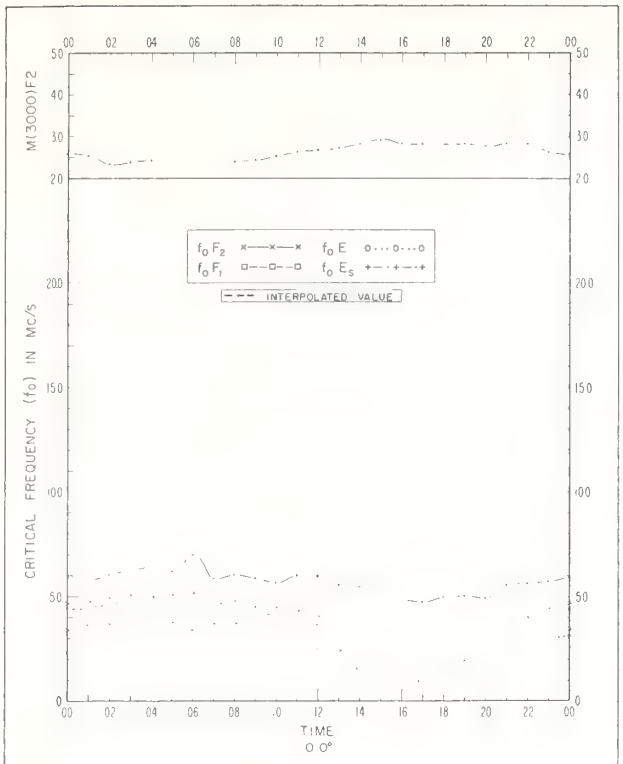

Fig. 93. WILKES STATION, ANTARCTICA
66.3°S, 110.5°E JANUARY 1960

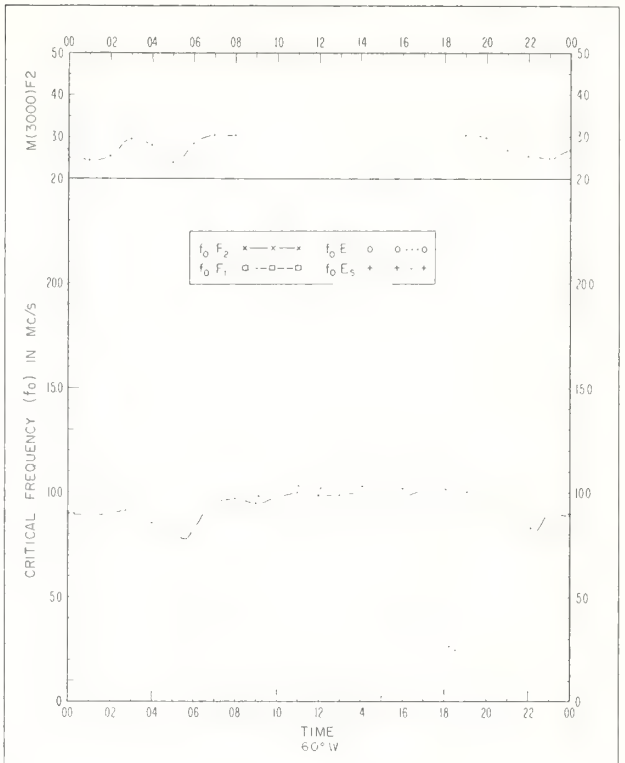

Fig 94. TRELEW, ARGENTINA
43.2°S, 65.3°W OCTOBER 1959

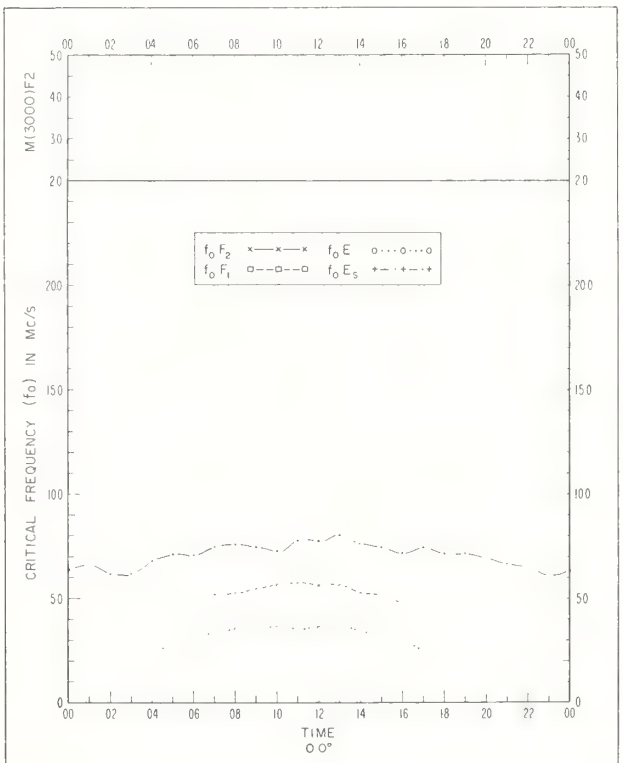

Fig. 95. BUDAPEST, HUNGARY
47.4°N, 19.2°E JULY 1959

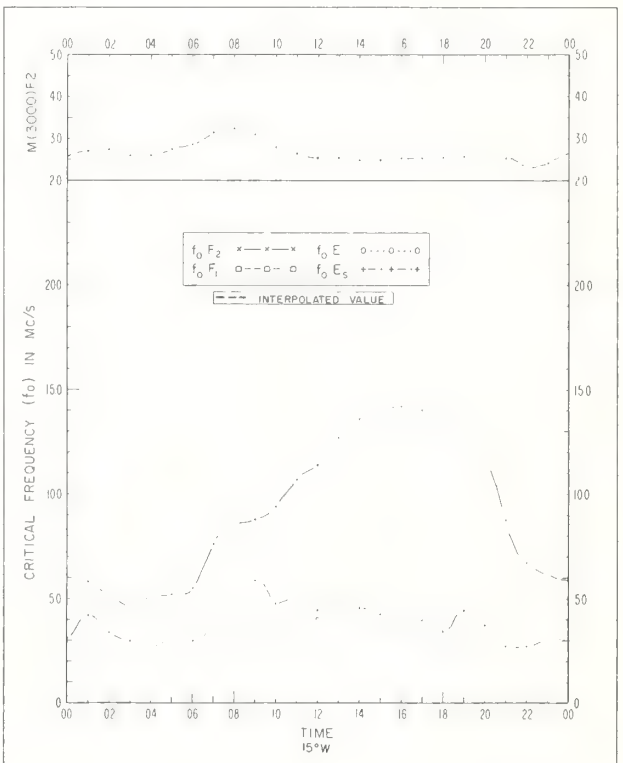

Fig. 96. DAKAR, SENEGAL
14.7°N, 17.4°W JULY 1959

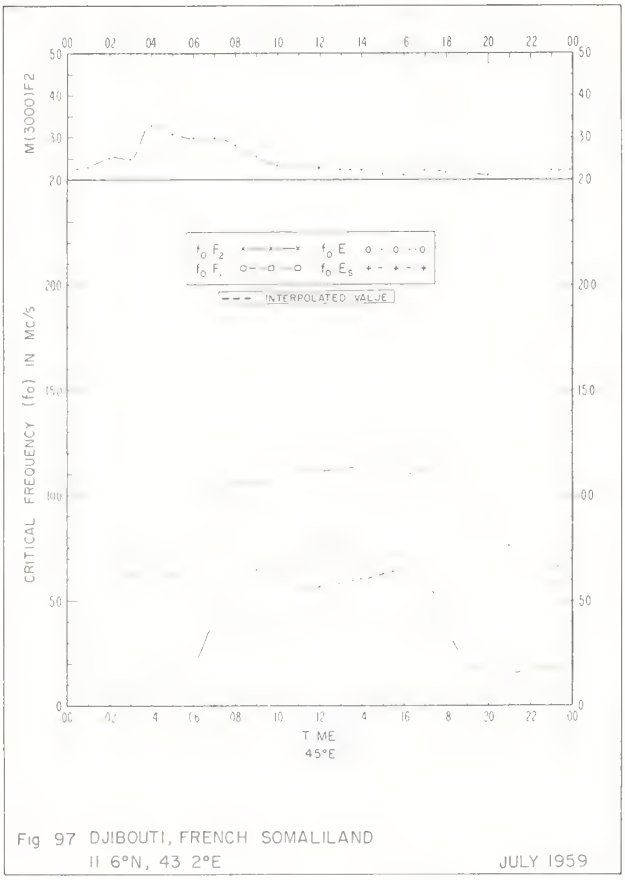

Fig 97 DJIBOUTI, FRENCH SOMALILAND
11 6°N, 43 2°E JULY 1959

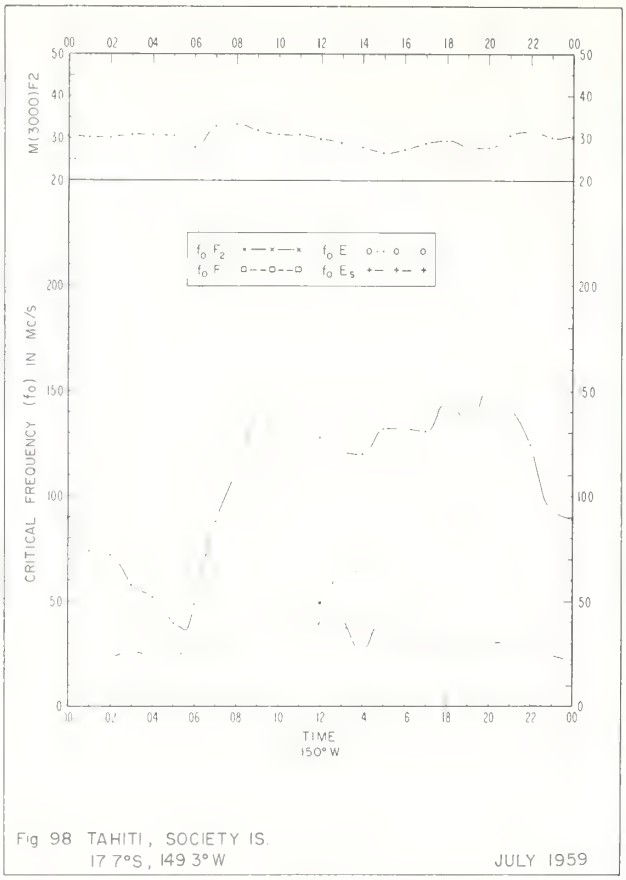

Fig 98 TAHITI, SOCIETY IS.
17 7°S, 149 3°W JULY 1959

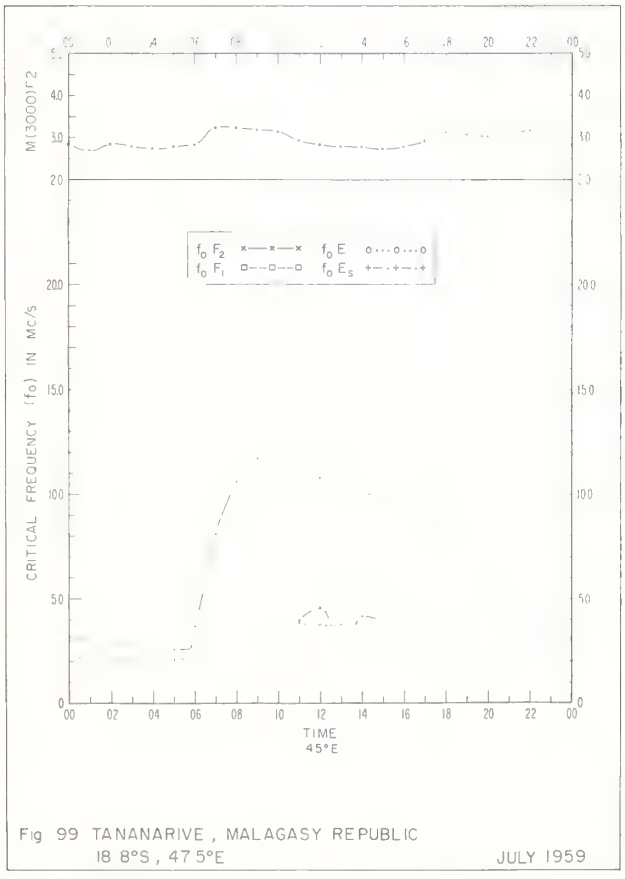

Fig 99 TANANARIVE, MALAGASY REPUBLIC
18 8°S, 47 5°E JULY 1959

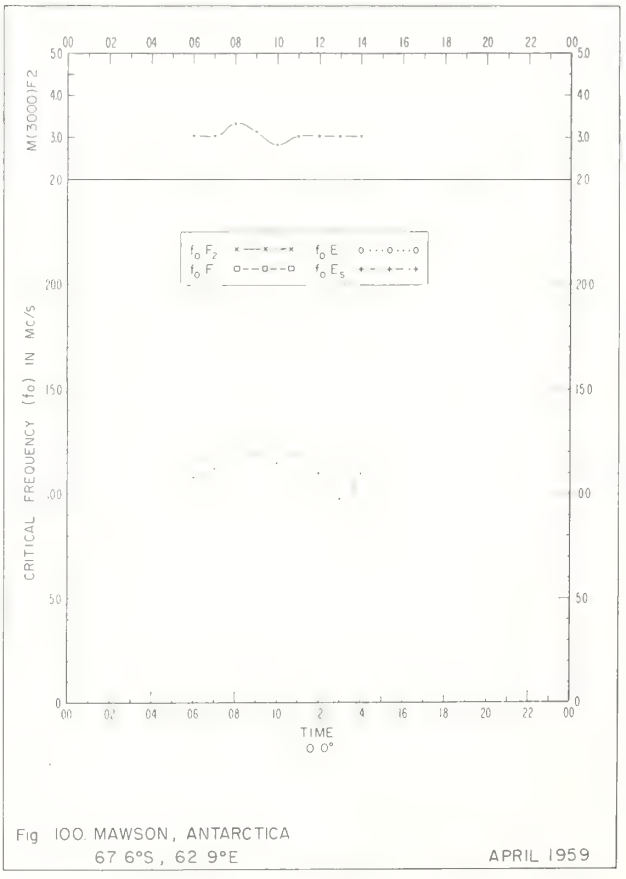

Fig 100 MAWSON, ANTARCTICA
67 6°S, 62 9°E APRIL 1959

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